GeoStat
ENVIRONMENTAL
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(620) 241-6090; www.geostatenvironmental.com

August 25, 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: Revised Certification of 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), iSi Environmental (iSi), and Cameron-Cole (C C) are cooperatively providing the attached revised submittal of analytical results in support of RCRA closure activities at the subject site. 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. A stamped and signed certification stating that the rinsate sampling effort(s) were observed and overseen by a Kansas Professional Engineer is also provided. Subsurface soil samples were not observed by the certifying engineer and are therefore not subject to certification.

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.

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 above grade building materials from Building B, including the concrete block walls and pre-cast concrete ceiling panels are suitable for re-use as broken concrete backfill at the Site. Porous building debris, such as roof decking materials, will not be used on-site per the approved workplan.

Within Building B as part of the RFI activities (uncertified soil sampling activities) the northern portion of room 6 was identified to have shallow soil concentrations exceeding interim action objectives immediately beneath the floor. Therefore, the concrete flooring overlying this represented area will be cut out and segregated for disposal as hazardous waste during demolition of the building.

KDHE has also requested that additional shallow soil sample results from underneath Building B for the determination of disposal of the remainder of the concrete floor slab. Therefore, additional shallow soil samples will be completed adjacent the previously identified Room 6 area to determine appropriate slab disposal for the balance of Building B.

Options for the disposition of the Building B concrete floor slab include;

1. On-site re-use as backfill (as broken concrete) for concrete slabs overlying soils where contamination has been demonstrated to be below interim action objectives, or
2. Off-site hazardous waste disposal (Lone Mountain) for concrete flooring overlying shallow soil concentrations exceeding interim action objectives immediately beneath the floor.

Clean Harbor's may also elect to segregate areas of suspected clean and suspected impacted concrete flooring (stained, odors, …) as building demolition occurs. In consultation with KDHE and USEPA appropriate numbers and location of under slab soil samples will be identified, samples collected, and laboratory analyzed.

Under a separate cover letter, results will be provided to KDHE/USEPA only for determination of the disposition of the building's concrete floor slabs, not for RCRA closure determinations. Analytical results (tabulated and full reports) from any shallow under slab soil sampling, along with mapping identifying locations, will be included within any submittal.

RINSATE SAMPLE CERTIFICATION

Clean Harbors hereby certifies, through the undersigned third party independent Kansas licensed Professional Engineer, that the attached rinsate sampling 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.

I hereby certify under penalty of law that this document and all attachments concerning rinsate results were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The entire Clean Harbor team appreciates the continued joint 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

ATTACHMENTS:

1. Spreadsheet Building B w/ Analytical Results
2. Crack Survey of Building B
3. Shallow Soil Data Summary for Building B (non-certified)

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

SUBMITTAL ATTACHMENTS

ATTACHMENT 1:

Spreadsheet of Building B Room Rinsate Analytical Results

Including:
-Sample Location Map
-Rinsate Activity Tracking Sheet
-Comparison of Results to KDHE Risk Levels

ATTACHMENT 2:

Crack Survey of Building B

Including:
-Crack Survey Figure
-Crack Survey Description Table
-Orientated Color Photo Log of Cracks

ATTACHMENT 3:

Shallow Soil Data Summary for Building B

Including:
-Soil Sample Location Figure
-Analytical Results Table

ATTACHMENT 1: Spreadsheet of Building B Room Rinsate Analytical Results

Including:

-Sample Location Map

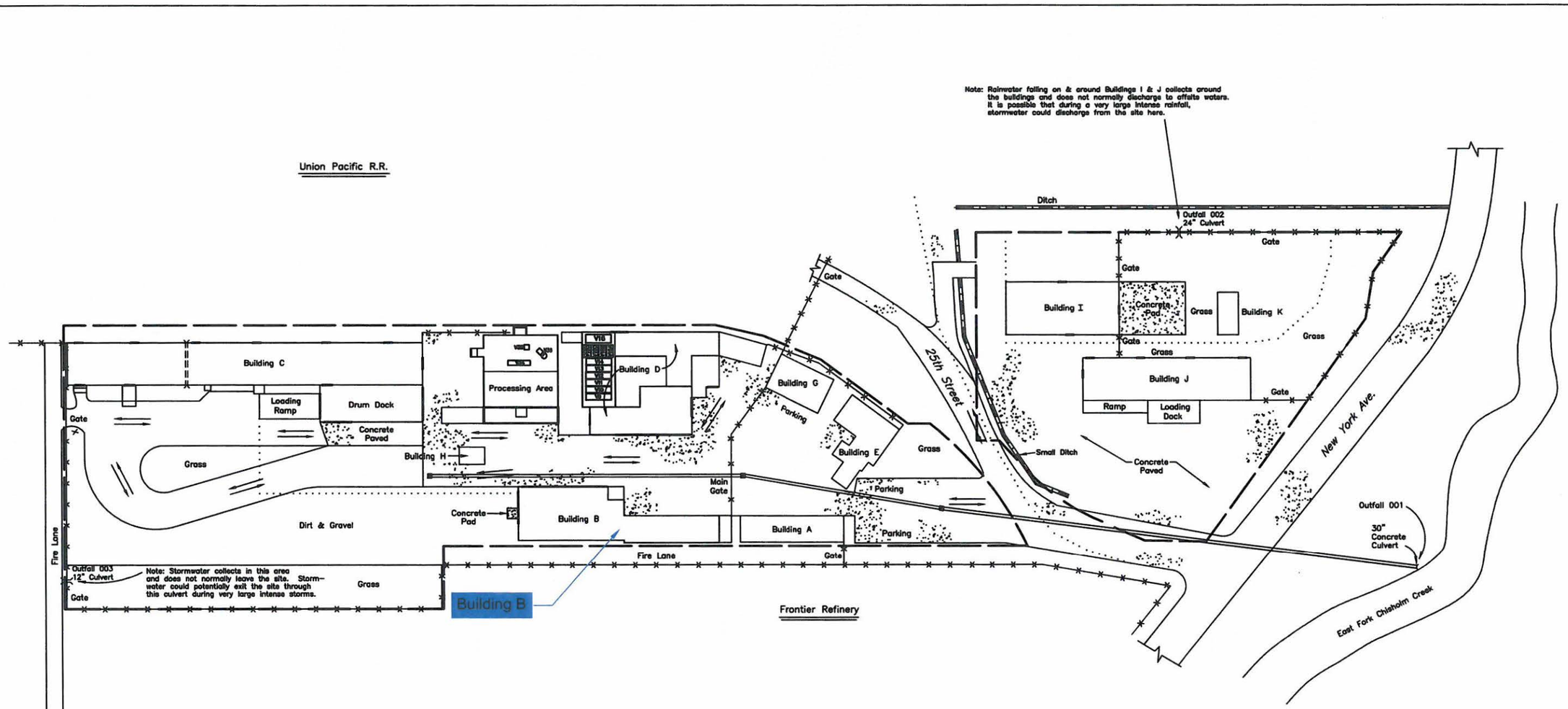
-Rinsate Activity Tracking Sheet

-Comparison of Results to KDHE Risk Levels

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 Decon/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

N

50 0 50 100

SCALE OF FEET

Notes:

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

CLEAN HARBORS
PROJECT NAME

WICHITA FACILITY
SHEET TITLE

B.GERBER PROJECT MGR.	B.WEAST DRAWN BY:	S.KLAUS CHECKED BY:
8-25-2014 DATE	1401030 JOB NO.	1 / 1 SHEET/OF

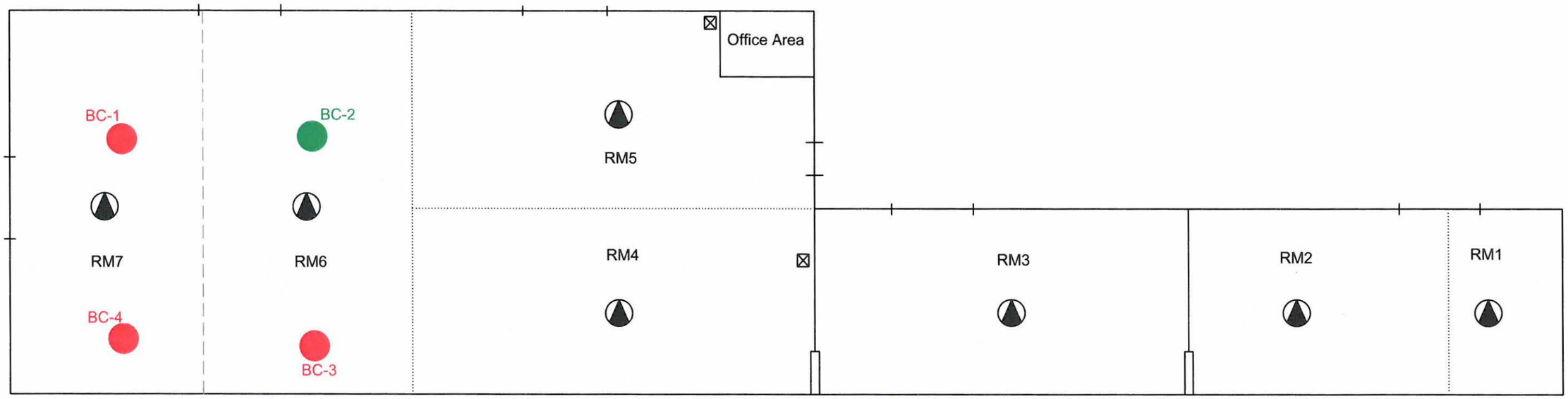
Clean Harbors Wichita
Building B Decontamination Summary

Unit	Comments	Inventory	Decontamination Complete (date)	Rinsate Samples Collected (PE Required) (date)	Internal Review	Follow up Actions	Submitted to State/EPA (date)	Determination	Agency Determination Via? (phone, email etc.)	Date
Room 1		None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				
Room 2		None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				
Room 3		None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				
Room 4		None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				
Room 5		None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				
Room 6	Concrete in northern portion of room 6 to be disposed of at LM due to impacted soil underlying	None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				
Room 7		None	1/7/2014 to 1/13/2014	1/28/2014	Organic exceedances	Repeat Decon				
		None	2/10/2014 to 2/18/2014	2/18/2014	organics pass	submit results				

Inventory - List all items removed from unit and provide reference to location where they were moved (e.g. manifest number, tank number for rinse water, etc.). Use separate sheet if necessary.
LM - Lone Mountain.

BUILDING B

NORTH



LEGEND

- DIRECT PUSH SOIL SAMPLE LOCATION (OCT. 2013)
- DIRECT PUSH SOIL & GROUNDWATER SAMPLE LOCATION (OCT. 2013)
- SUMP LOCATION
- 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' 10' 20'

iSi

CLEAN HARBORS
PROJECT NAME
BUILDING B:
SAMPLE LOCATIONS
SHEET TITLE

B.GERBER	B.WEAST	S.KLAUS
PROJECT MGR.	DRAWN BY:	CHECKED BY:
8-25-2014	1401030	1 / 1
DATE	JOB NO.	SHEET/OF

Accutest Laboratories Southeast, Inc.

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)

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
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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
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	-

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
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)	-
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	-

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
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)	-
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	-

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
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**	-

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
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:											
									Legend:	Detection	Exceed
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	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
Lab Sample ID:			FA12580-1	FA12580-3	FA12599-1	FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
Date Sampled:			2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
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)
Acrolein	ug/l	0.0415	-	-	-	-	-	-	-	ND (6.4)	ND (6.4)
Acrylonitrile	ug/l	0.491	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)
Benzene	ug/l	5	ND (0.24)	-	-	-	-	-	-	ND (0.24)	ND (0.24)
Bromobenzene	ug/l	-	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)
Bromochloromethane	ug/l	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.38)
Bromodichloromethane	ug/l	80	-	-	-	-	-	-	-	2.5	ND (0.26)
Bromoform	ug/l	80	-	-	-	-	-	-	-	0.44 J	ND (0.38)
n-Butylbenzene	ug/l	169	-	-	-	-	-	-	-	ND (0.30)	ND (0.30)
sec-Butylbenzene	ug/l	30.5	-	-	-	-	-	-	-	ND (0.27)	ND (0.27)
tert-Butylbenzene	ug/l	-	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)
Chlorobenzene	ug/l	100	-	-	-	-	-	-	-	ND (0.24)	ND (0.24)
Chloroethane	ug/l	14000	-	-	-	-	-	-	-	ND (0.50)	ND (0.50)
Chloroform	ug/l	80	-	-	-	-	-	-	-	1.7	ND (0.31)
o-Chlorotoluene	ug/l	88.9	-	-	-	-	-	-	-	ND (0.23)	ND (0.23)
p-Chlorotoluene	ug/l	-	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)
2-Chloroethyl vinyl ether	ug/l	-	-	-	-	-	-	-	-	ND (1.0) [a]	ND (1.0) [a]
Carbon disulfide	ug/l	716	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)
Carbon tetrachloride	ug/l	5	-	-	-	-	-	-	-	ND (0.40)	ND (0.40)
1,1-Dichloroethane	ug/l	25	-	-	-	-	-	-	-	ND (0.26)	ND (0.26)
1,1-Dichloroethylene	ug/l	7	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)
1,1-Dichloropropene	ug/l	-	-	-	-	-	-	-	-	ND (0.28)	ND (0.28)
1,2-Dibromo-3-chloropropane	ug/l	0.2	-	-	-	-	-	-	-	ND (0.78)	ND (0.78)
1,2-Dibromoethane	ug/l	0.05	-	-	-	-	-	-	-	ND (0.24)	ND (0.24)
1,2-Dichloroethane	ug/l	5	-	-	-	-	-	-	-	ND (0.24)	ND (0.24)
1,2-Dichloropropane	ug/l	5	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)
1,3-Dichloropropane	ug/l	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)
2,2-Dichloropropane	ug/l	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.33)
Dibromochloromethane	ug/l	80	-	-	-	-	-	-	-	2.4	ND (0.36)
Dichlorodifluoromethane	ug/l	366	-	-	-	-	-	-	-	ND (0.33)	ND (0.33)

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	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
Lab Sample ID:			FA12580-1	FA12580-3	FA12599-1	FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
Date Sampled:			2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water
cis-1,2-Dichloroethylene	ug/l	70	-	-	-	-	-	-	-	ND (0.33)	ND (0.33)
cis-1,3-Dichloropropene	ug/l	-	-	-	-	-	-	-	-	ND (0.21)	ND (0.21)
m-Dichlorobenzene	ug/l	-	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)
o-Dichlorobenzene	ug/l	600	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)
p-Dichlorobenzene	ug/l	75	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)
trans-1,2-Dichloroethylene	ug/l	100	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)
trans-1,3-Dichloropropene	ug/l	-	-	-	-	-	-	-	-	ND (0.21)	ND (0.21)
Ethylbenzene	ug/l	700	-	-	-	-	-	-	-	ND (0.28)	ND (0.28)
2-Hexanone	ug/l	-	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/l	6.32	-	-	-	-	-	-	-	ND (0.50)	ND (0.50)
Isopropylbenzene	ug/l	451	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)
p-Isopropyltoluene	ug/l	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.24)
4-Methyl-2-pentanone	ug/l	1020	-	-	-	-	-	-	-	ND (1.0)	ND (1.0)
Methyl bromide	ug/l	7.02	-	-	-	-	-	-	-	ND (0.54)	ND (0.54)
Methyl chloride	ug/l	127	-	-	-	-	-	-	-	ND (0.53)	ND (0.53)
Methylene bromide	ug/l	-	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)
Methylene chloride	ug/l	5	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)
Methyl ethyl ketone	ug/l	4920	-	-	-	-	-	-	-	ND (1.5)	ND (1.5)
Methyl Tert Butyl Ether	ug/l	133	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)
Naphthalene	ug/l	1.11	ND (1.0)	-	-	-	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
n-Propylbenzene	ug/l	660	-	-	-	-	-	-	-	ND (0.24)	ND (0.24)
Styrene	ug/l	100	-	-	-	-	-	-	-	ND (0.23)	ND (0.23)
1,1,1,2-Tetrachloroethane	ug/l	5.35	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)
1,1,1-Trichloroethane	ug/l	200	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)
1,1,2,2-Tetrachloroethane	ug/l	0.694	-	-	-	-	-	-	-	ND (0.27)	ND (0.27)
1,1,2-Trichloroethane	ug/l	5	-	-	-	-	-	-	-	ND (0.32)	ND (0.32)
1,2,3-Trichlorobenzene	ug/l	-	-	-	-	-	-	-	-	ND (0.50)	ND (0.50)
1,2,3-Trichloropropane	ug/l	0.00468	-	-	-	-	-	-	-	ND (0.57)	ND (0.57)
1,2,4-Trichlorobenzene	ug/l	70	-	-	-	-	-	-	-	ND (0.50)	ND (0.50)
1,2,4-Trimethylbenzene	ug/l	8.44	-	-	-	-	-	-	-	ND (0.24)	ND (0.24)
1,3,5-Trimethylbenzene	ug/l	44	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)
Tetrachloroethylene	ug/l	5	-	-	-	-	-	-	-	ND (0.26)	ND (0.26)
Toluene	ug/l	1000	-	-	-	-	-	-	-	ND (0.20)	0.27 J
Trichloroethylene	ug/l	5	-	-	-	-	-	-	-	ND (0.30)	ND (0.30)
Trichlorofluoromethane	ug/l	1090	-	-	-	-	-	-	-	ND (0.50)	ND (0.50)
Vinyl chloride	ug/l	2	-	-	-	-	-	-	-	ND (0.33)	ND (0.33)
Vinyl Acetate	ug/l	406	-	-	-	-	-	-	-	ND (2.0) [a]	ND (2.0) [a]
m,p-Xylene	ug/l	10000	-	-	-	-	-	-	-	ND (0.48)	ND (0.48)
o-Xylene	ug/l	10000	-	-	-	-	-	-	-	ND (0.20)	ND (0.20)

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	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
Lab Sample ID:			FA12580-1	FA12580-3	FA12599-1	FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
Date Sampled:			2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water
GC/MS Semi-volatiles (SW846 8270D)											
Benzoic Acid	ug/l	-	ND (38)	10.1 J	ND (9.4)	ND (9.4)	ND (9.4)	14.0 J	55	12.2 J	-
2-Chlorophenol	ug/l	-	ND (2.0)	-	ND (0.49)	-	-	ND (0.49)	ND (0.49)	ND (0.49)	-
4-Chloro-3-methyl phenol	ug/l	-	-	-	-	-	-	-	-	ND (0.48)	-
2,4-Dichlorophenol	ug/l	41.2	-	-	-	-	-	-	-	ND (0.55)	-
2,4-Dimethylphenol	ug/l	292	-	-	-	-	-	-	-	ND (0.48)	-
2,4-Dinitrophenol	ug/l	31	-	-	-	-	-	-	-	ND (5.2)	-
4,6-Dinitro-o-cresol	ug/l	-	-	-	-	-	-	-	-	ND (1.9)	-
2-Methylphenol	ug/l	744	-	-	-	-	-	-	-	ND (0.48)	-
3&4-Methylphenol	ug/l	-	ND (4.5)	-	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-
2-Nitrophenol	ug/l	-	-	ND (0.57)	ND (0.56)	-	ND (0.56)	ND (0.57)	-	ND (0.57)	-
4-Nitrophenol	ug/l	-	-	-	-	-	-	-	-	ND (4.8)	-
Pentachlorophenol	ug/l	1	-	-	-	-	-	-	-	ND (4.8)	-
Phenol	ug/l	4560	-	-	-	-	-	-	-	0.78 J	-
2,4,5-Trichlorophenol	ug/l	1260	-	-	-	-	-	-	-	ND (0.93)	-
2,4,6-Trichlorophenol	ug/l	12.7	-	-	-	-	-	-	-	ND (0.53)	-
Acenaphthene	ug/l	253	-	-	-	-	-	-	-	ND (0.48)	-
Acenaphthylene	ug/l	-	ND (1.9)	-	-	-	-	ND (0.48)	ND (0.47)	ND (0.48)	-
Aniline	ug/l	-	-	-	-	-	-	-	-	ND (0.95)	-
Anthracene	ug/l	1150	-	-	-	-	-	-	-	ND (0.59)	-
Benzidine	ug/l	0.00367	-	-	-	-	-	-	-	ND (4.8)	-
Benzo(a)anthracene	ug/l	0.223	-	-	-	-	-	-	-	ND (0.61)	-
Benzo(a)pyrene	ug/l	0.2	-	-	-	-	-	-	-	ND (0.62)	-
Benzo(b)fluoranthene	ug/l	0.16	-	-	-	-	-	-	-	ND (0.68)	-
Benzo(g,h,i)perylene	ug/l	-	-	-	-	-	-	-	-	ND (0.77)	-
Benzo(k)fluoranthene	ug/l	1.62	-	-	-	-	-	-	-	ND (0.49)	-
4-Bromophenyl phenyl ether	ug/l	-	-	-	-	-	-	-	-	ND (0.64)	-
Butyl benzyl phthalate	ug/l	333	-	-	-	-	-	-	-	1.1 J	-
Benzyl Alcohol	ug/l	-	5.7 J	12.6	6	6.7	26.9	1.7 J	ND (0.94)	2.1 J	-
2-Chloronaphthalene	ug/l	344	-	-	-	-	-	-	-	ND (0.53)	-
4-Chloroaniline	ug/l	-	-	-	-	-	-	-	-	ND (0.48)	-
Carbazole	ug/l	28.7	-	-	-	-	-	-	-	ND (0.59)	-
Chrysene	ug/l	22.3	-	-	-	-	-	-	-	ND (0.69)	-
bis(2-Chloroethoxy)methane	ug/l	-	-	-	-	-	-	-	-	ND (0.52)	-
bis(2-Chloroethyl)ether	ug/l	0.124	-	-	-	-	-	-	-	ND (0.66)	-
bis(2-Chloroisopropyl)ether	ug/l	-	-	-	-	-	-	-	-	ND (0.55)	-
4-Chlorophenyl phenyl ether	ug/l	-	-	-	-	-	-	-	-	ND (0.51)	-
1,2-Dichlorobenzene	ug/l	600	-	-	-	-	-	-	-	ND (0.48)	-
1,2-Diphenylhydrazine	ug/l	-	-	-	-	-	-	ND (0.64)	-	ND (0.64)	-

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	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
Lab Sample ID:			FA12580-1	FA12580-3	FA12599-1	FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
Date Sampled:			2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water
1,3-Dichlorobenzene	ug/l	-	-	-	-	-	-	-	-	ND (0.48)	-
1,4-Dichlorobenzene	ug/l	75	-	-	-	-	-	-	-	ND (0.48)	-
2,4-Dinitrotoluene	ug/l	2.67	-	-	-	-	-	-	-	ND (0.54)	-
2,6-Dinitrotoluene	ug/l	0.557	-	-	-	-	-	-	-	ND (0.60)	-
3,3'-Dichlorobenzidine	ug/l	-	-	-	-	-	-	-	-	ND (0.86)	-
Dibenzo(a,h)anthracene	ug/l	0.00805	-	-	-	-	-	-	-	ND (0.77)	-
Dibenzofuran	ug/l	4.13	-	-	-	-	-	-	-	ND (0.51)	-
Di-n-butyl phthalate	ug/l	1350	-	-	-	-	-	-	-	1.1 J	-
Di-n-octyl phthalate	ug/l	18.4	-	-	-	-	-	-	-	1.0 J	-
Diethyl phthalate	ug/l	12200	-	-	-	-	-	-	-	ND (0.95)	-
Dimethyl phthalate	ug/l	155000	-	-	-	-	-	-	-	ND (0.60)	-
bis(2-Ethylhexyl)phthalate	ug/l	6	ND (6.0)	4.5 J	4.6 J	3.1 J	2.2 J	ND (1.5)	1.8 J	2.2 J	-
Fluoranthene	ug/l	255	-	-	-	-	-	-	-	ND (0.67)	-
Fluorene	ug/l	162	-	-	-	-	-	-	-	ND (0.48)	-
Hexachlorobenzene	ug/l	1	-	-	-	-	-	-	-	ND (0.63)	-
Hexachlorobutadiene	ug/l	6.32	-	-	-	-	-	-	-	ND (0.48)	-
Hexachlorocyclopentadiene	ug/l	50	-	-	-	-	-	-	-	ND (0.95)	-
Hexachloroethane	ug/l	9.14	-	-	-	-	-	-	-	ND (0.48)	-
Indeno(1,2,3-cd)pyrene	ug/l	0.117	-	-	-	-	-	-	-	ND (0.60)	-
Isophorone	ug/l	-	-	-	-	-	-	-	-	ND (0.48)	-
1-Methylnaphthalene	ug/l	4.29	-	-	-	-	-	-	-	ND (0.48)	-
2-Methylnaphthalene	ug/l	16.7	ND (2.0)	-	-	-	-	-	-	ND (0.51)	-
2-Nitroaniline	ug/l	-	-	-	-	-	-	-	-	ND (1.1)	-
3-Nitroaniline	ug/l	-	-	-	-	-	-	-	-	ND (0.58)	-
4-Nitroaniline	ug/l	-	-	-	-	-	-	-	-	ND (0.72)	-
Naphthalene	ug/l	1.11	ND (1.9)	-	-	-	-	-	ND (0.47)	ND (0.48)	-
Nitrobenzene	ug/l	1.01	-	-	-	-	-	-	-	ND (0.48)	-
N-Nitrosodimethylamine	ug/l	-	-	-	-	-	-	-	-	ND (0.95)	-
N-Nitroso-di-n-propylamine	ug/l	-	-	-	-	-	-	-	-	ND (0.48)	-
N-Nitrosodiphenylamine	ug/l	-	-	-	-	-	-	-	-	ND (0.51)	-
Phenanthrene	ug/l	-	-	-	-	-	-	-	-	ND (0.57)	-
Pyrene	ug/l	202	-	-	-	-	-	-	-	ND (0.78)	-
Pyridine	ug/l	4.96	-	-	-	-	-	-	-	ND (1.9)	-
1,2,4-Trichlorobenzene	ug/l	70	-	-	-	-	-	-	-	ND (0.48)	-
GC Semi-volatiles (SW846 8081B)											
beta-BHC	ug/l	-	-	ND (0.0047)	-	ND (0.0047)	-	-	ND (0.0094)	-	-
delta-BHC	ug/l	-	-	ND (0.0047)	-	0.0072 J [b]	-	-	ND (0.0094)	-	-

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	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
Lab Sample ID:			FA12580-1	FA12580-3	FA12599-1	FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
Date Sampled:			2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water
GC Semi-volatiles (SW846 8082A)											
Aroclor 1260	ug/l	-	ND (0.19)	ND (0.19)	-	-	-	ND (0.19)	-	-	-
Metals Analysis											
Aluminum	ug/l	-	313	561	-	2220	976	1260	1570	1160	-
Antimony	ug/l	6	<6.0	<6.0	<6.0	**6.8**	<6.0	<6.0	**6.1**	<6.0	-
Arsenic	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	-
Barium	ug/l	2000	<200	391	214	659	1050	255	<200	203	-
Beryllium	ug/l	4	<4.0	<4.0	-	<4.0	<4.0	<4.0	<4.0	<4.0	-
Cadmium	ug/l	5	**6.7**	**9.6**	**10.2**	**23.2**	<5.0	<5.0	<5.0	<5.0	-
Calcium	ug/l	-	31300	33900	-	50700	60500	50000	61500	50300	-
Chromium	ug/l	100	18	33	29.8	74.5	**108**	34.3	34.1	32.1	-
Cobalt	ug/l	4.68	<50	<50	-	<50	<50	<50	<50	<50	-
Copper	ug/l	1300	34.3	45.9	-	139	73.4	97.8	60.2	98.1	-
Iron	ug/l	-	343	714	466	2620	2660	1970	2350	1740	-
Lead	ug/l	15	**29.2**	**77.2**	**37**	**118**	**264**	**68.4**	**88.1**	**69.2**	-
Magnesium	ug/l	-	13900	14000	-	15100	15900	15300	15100	14900	-
Manganese	ug/l	50	<15	21.3	<15	**82.1**	**118**	**55.3**	**78**	**56.5**	-
Mercury	ug/l	2	<0.50	0.79	<0.50	0.96	0.55	<0.50	<0.50	<0.50	-
Molybdenum	ug/l	-	<50	<50	-	<50	<50	<50	<50	<50	-
Nickel	ug/l	312	<40	<40	-	<40	<40	<40	<40	<40	-
Potassium	ug/l	-	<10000	12100	<10000	10500	21500	<10000	<10000	<10000	-
Selenium	ug/l	50	<10	<10	-	<10	<10	<10	<10	<10	-
Silver	ug/l	77.9	<10	<10	-	<10	<10	<10	<10	<10	-
Sodium	ug/l	-	103000	105000	97500	106000	189000	101000	104000	100000	-
Strontium	ug/l	-	208	225	211	324	266	258	278	254	-
Thallium	ug/l	-	<10	<10	-	<10	<10	<10	<10	<10	-
Tin	ug/l	-	<50	<50	-	<50	<50	<50	<50	<50	-
Titanium	ug/l	-	212	440	235	224	32.2	103	92.1	95.7	-
Vanadium	ug/l	-	<50	<50	-	<50	<50	<50	<50	<50	-
Zinc	ug/l	4670	69.8	143	-	510	583	525	382	538	-

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 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:	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.

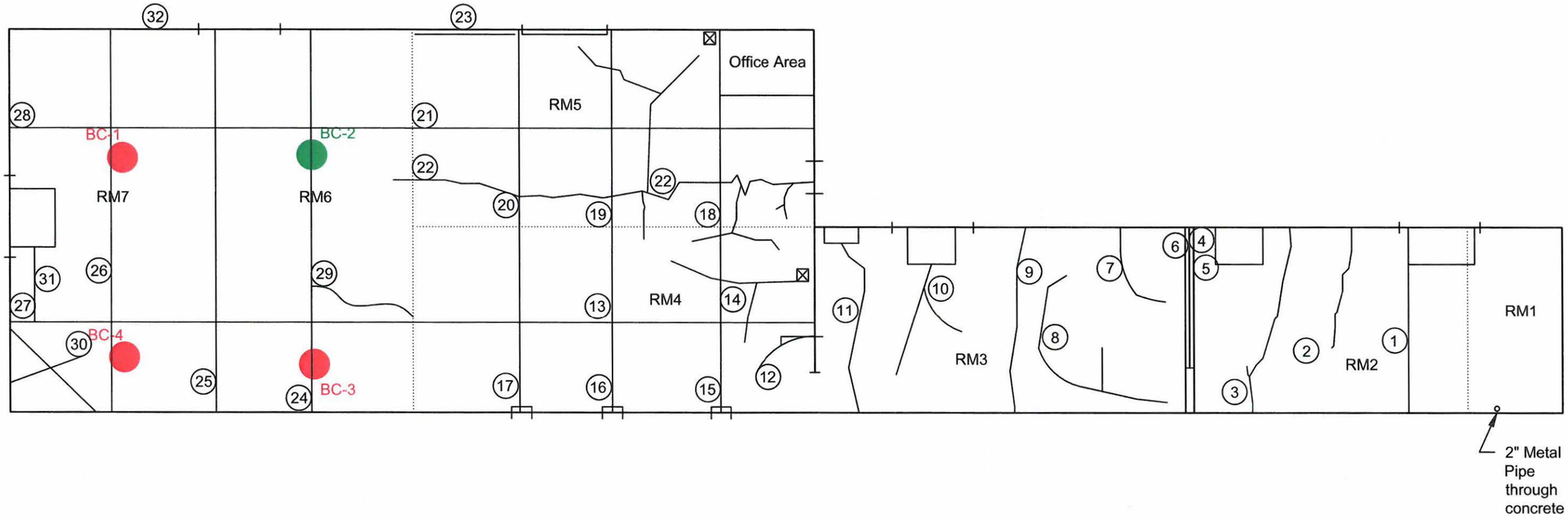
(2) - Sample was a composite of Rinse Water from Building B - Rooms (RM) 4, 5, 6, and 7.

ATTACHMENT 2: Crack Survey of Building B

Including:
-Crack Survey Figure
-Crack Survey Description Table
-Orientated Color Photo Log of Cracks

BUILDING B

NORTH



LEGEND

- (1) CRACK LOCATION
- ⊠ SUMP LOCATION
- ● DIRECT PUSH SOIL SAMPLE LOCATION (OCT. 2013)
- ● DIRECT PUSH SOIL & GROUNDWATER SAMPLE LOCATION (OCT. 2013)
- ..... SECONDARY CONTAINMENT STRUCTURE

0 15' 30'

iSi

CLEAN HARBORS
PROJECT NAME
BUILDING B:
CRACK SURVEY
SHEET TITLE

B.GERBER	B.WEAST	S.KLAUS
PROJECT MGR.	DRAWN BY:	CHECKED BY:
8-25-2014	1401030	1 / 1
DATE	JOB NO.	SHEET/OF

Clean Harbors Crack Survey
Building B

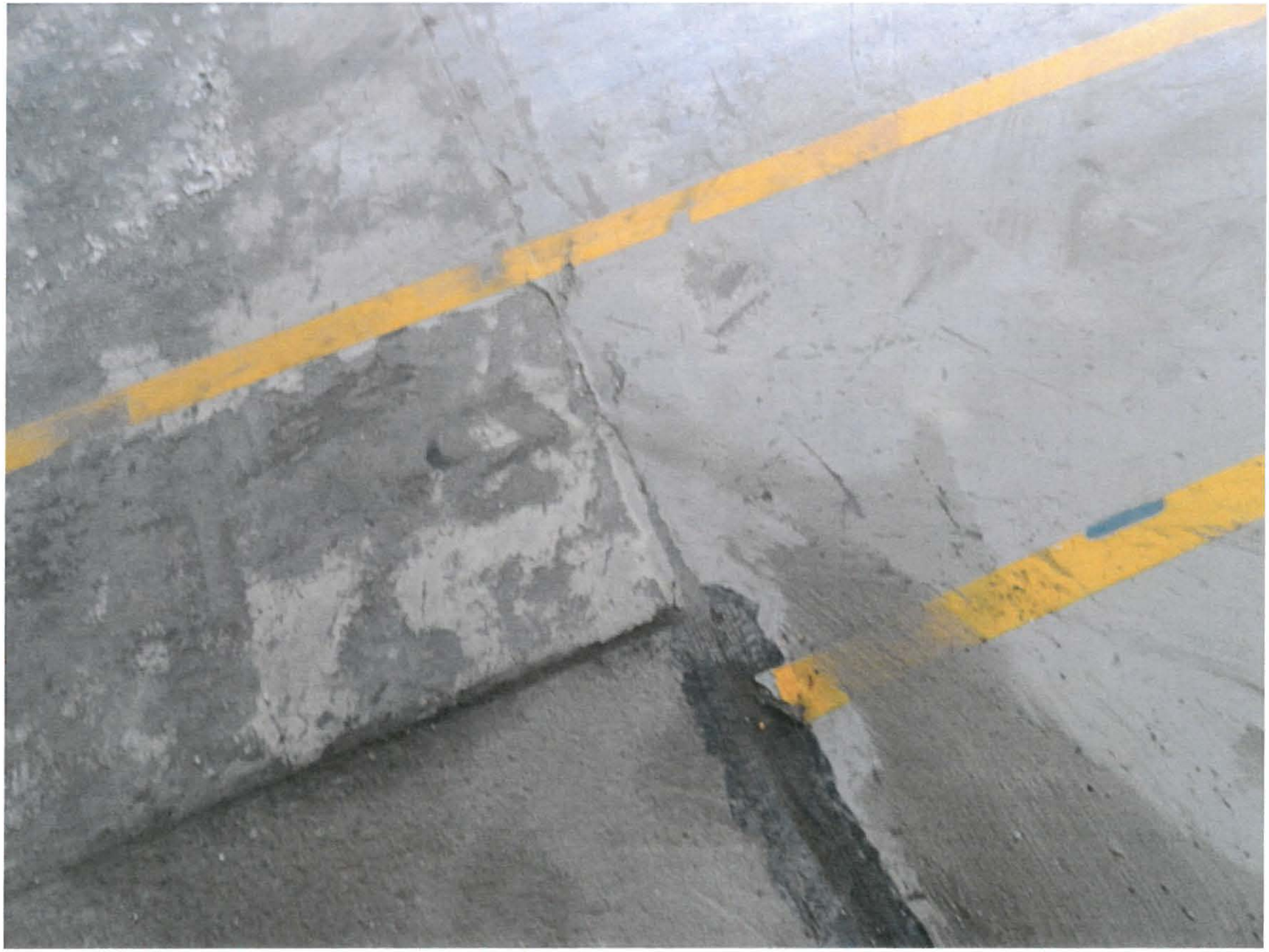
Room	Crack ID	Description
RM 1	1	Slab joint – sealed
RM2	2	Sealed crack
RM 2	3	Sealed crack
RM 2	4	Slab to foundation joint – sealed
RM 2	5	Crack in 6" X 6" containment berm – 1/16" wide – not sealed
RM 3	6	Slab to foundation joint – sealed with fiberglass coating
RM 3	7	Sealed crack
RM 3	8	Arc shaped crack with branch – sealed
RM 3	9	Slab joint – sealed
RM 3	10	"V" shaped crack – sealed
RM 3	11	Crack – partially sealed – 1/32" crack extends all the way across floor (door containment to South wall – with small finger in middle
RM4	12	Crack coated with fiberglass
RM 4	13	Slab joint – sealed
RM 4	14	Branched crack extending west of sump-sealed
RM 4	15	Slab joint – sealed
RM 4	16	Slab joint – sealed
RM 4	17	Slab joint – sealed
RM5	18	Slab joint – sealed
RM5	19	Slab joint – sealed
RM5	20	Slab joint – sealed
RM5	21	Slab joint – sealed
RM5	22	Crack with multiple branches – sealed
RM5	23	Slab to foundation joint – 1/32" wide crack
RM 6	24	Slab joint – sealed
RM6	25	Slab joint – sealed
RM 7	26	Slab joint – sealed
RM 7	27	Slab joint – sealed
RM 7	28	Slab joint – sealed
RM 6	29	Crack – sealed – ½" wide ground out and patched
RM 7	30	"Criss-Cross" crack – sealed - ½" wide ground out and patched
RM 7	31	Crack – sealed – ½" wide- ground out and patched
RM 7	32	Floor to cinder block wall along north wall - sealed at base

Date: 1-8-14

Crack Survey Completed and Photographed by: Stuart B. Klaus, P.E., and Brady Gerber

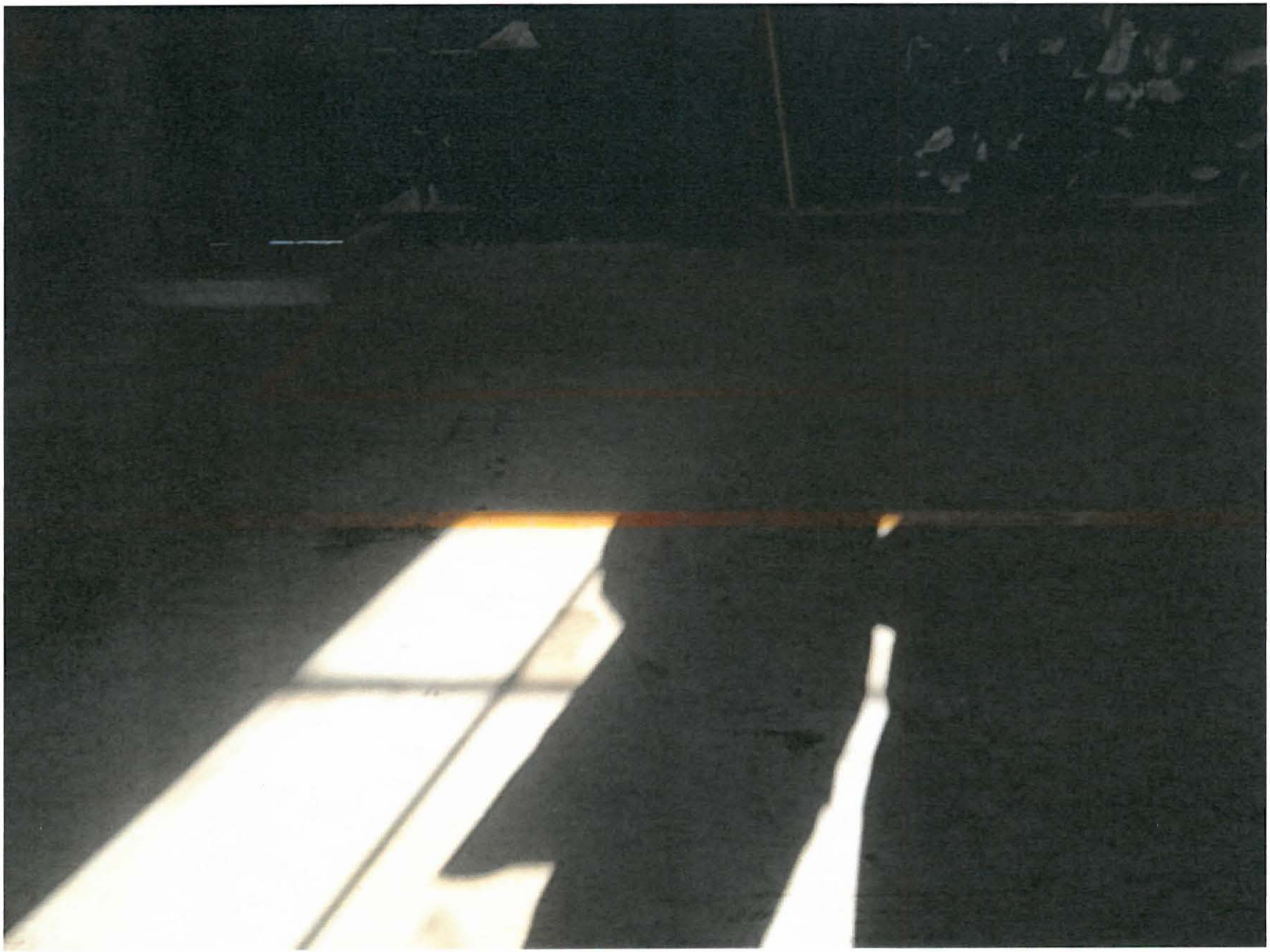
Camera: Sony Cybershot Camera

Looking South. 2" Metal pipe through concrete.



1. Looking East. Slab joint – sealed.

2. Looking North. Crack – sealed.

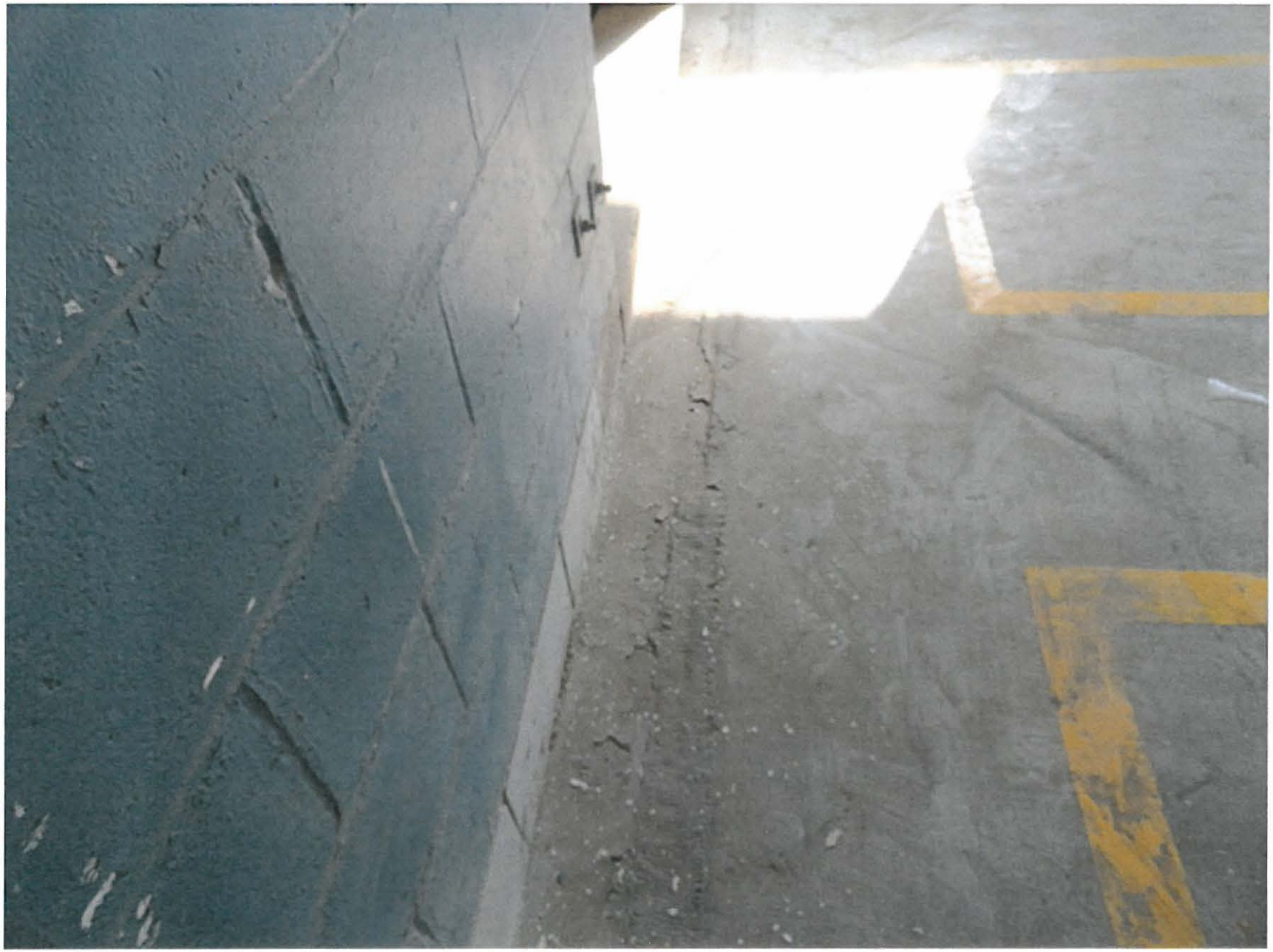


3. Looking North. Crack – sealed.

4. Looking West. Slab to foundation joint – sealed.

5. Looking West. Crack in door containment berm – 1/16" wide not sealed.

6. Looking North. Slab to foundation joint – sealed with fiberglass coating.

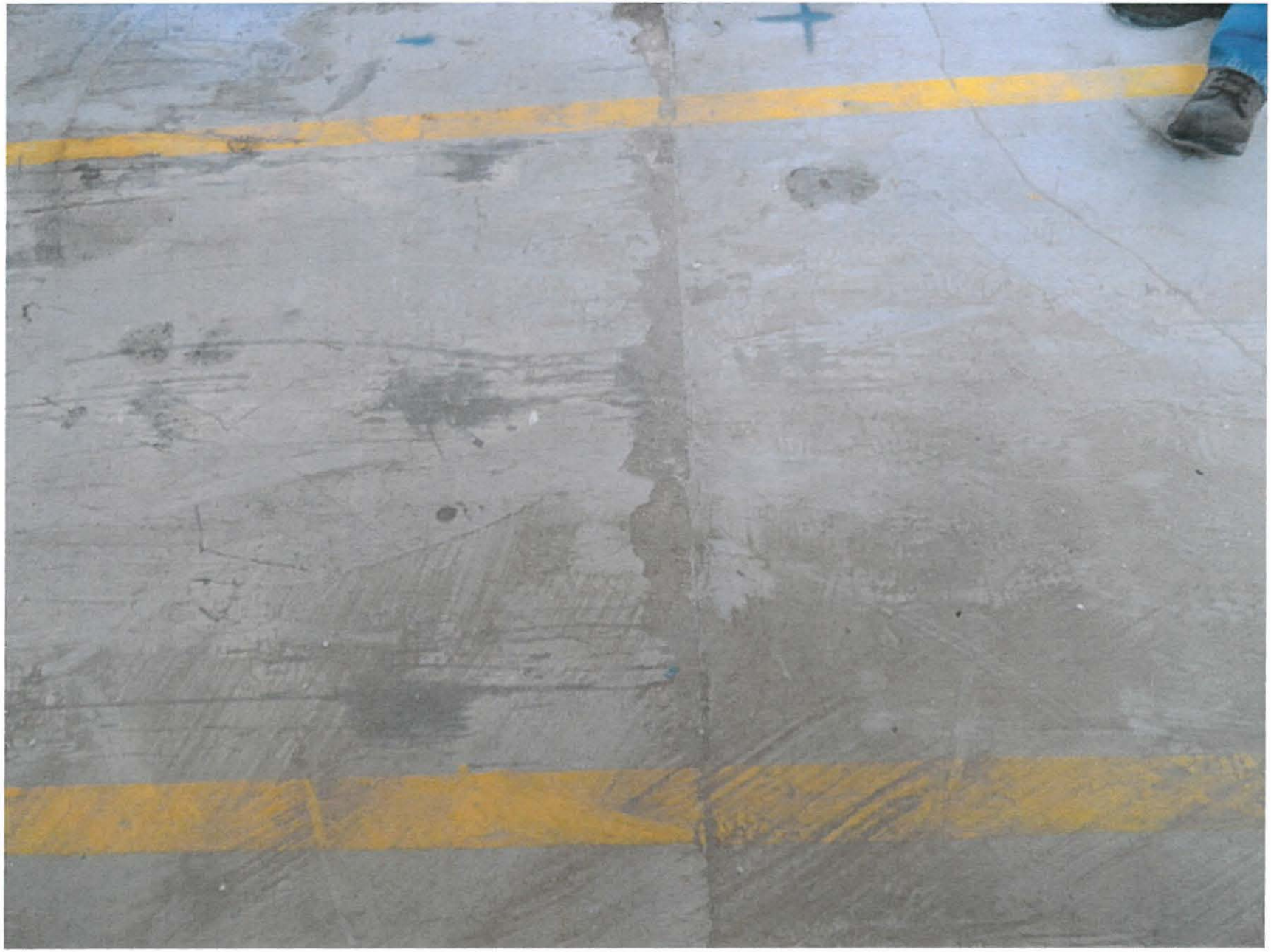


6. Looking South. Slab to foundation joint – sealed with fiberglass coating.

7. Looking North. Crack – sealed.

8. Looking South. Arc shaped crack with branch – sealed.

8. Looking West. Arc shaped crack with branch – sealed.



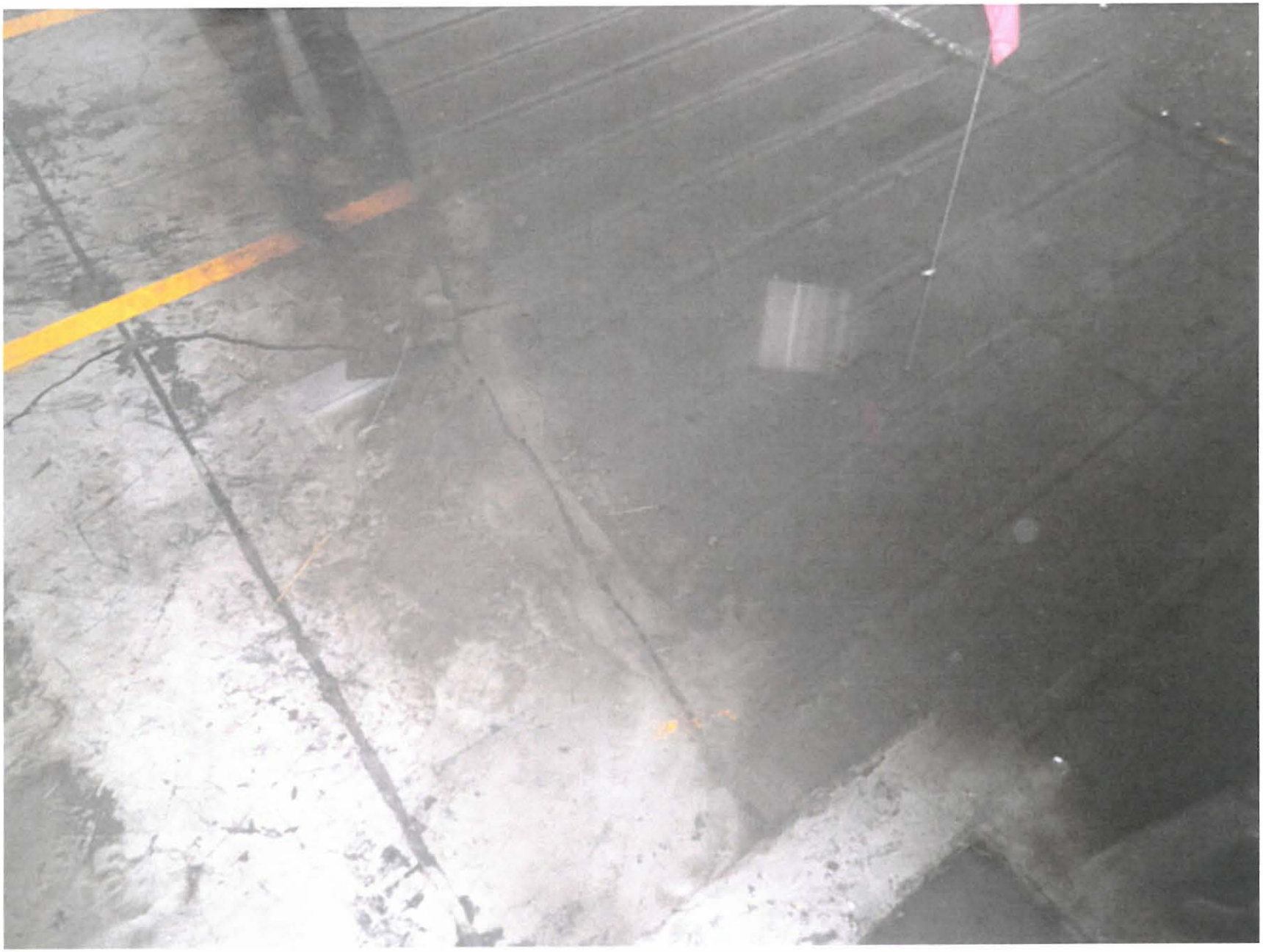
9. Looking North. Slab joint – sealed.

10. Looking South. “V” shaped crack – sealed.

11. Looking South. Partially sealed floor crack – 1/32" crack.

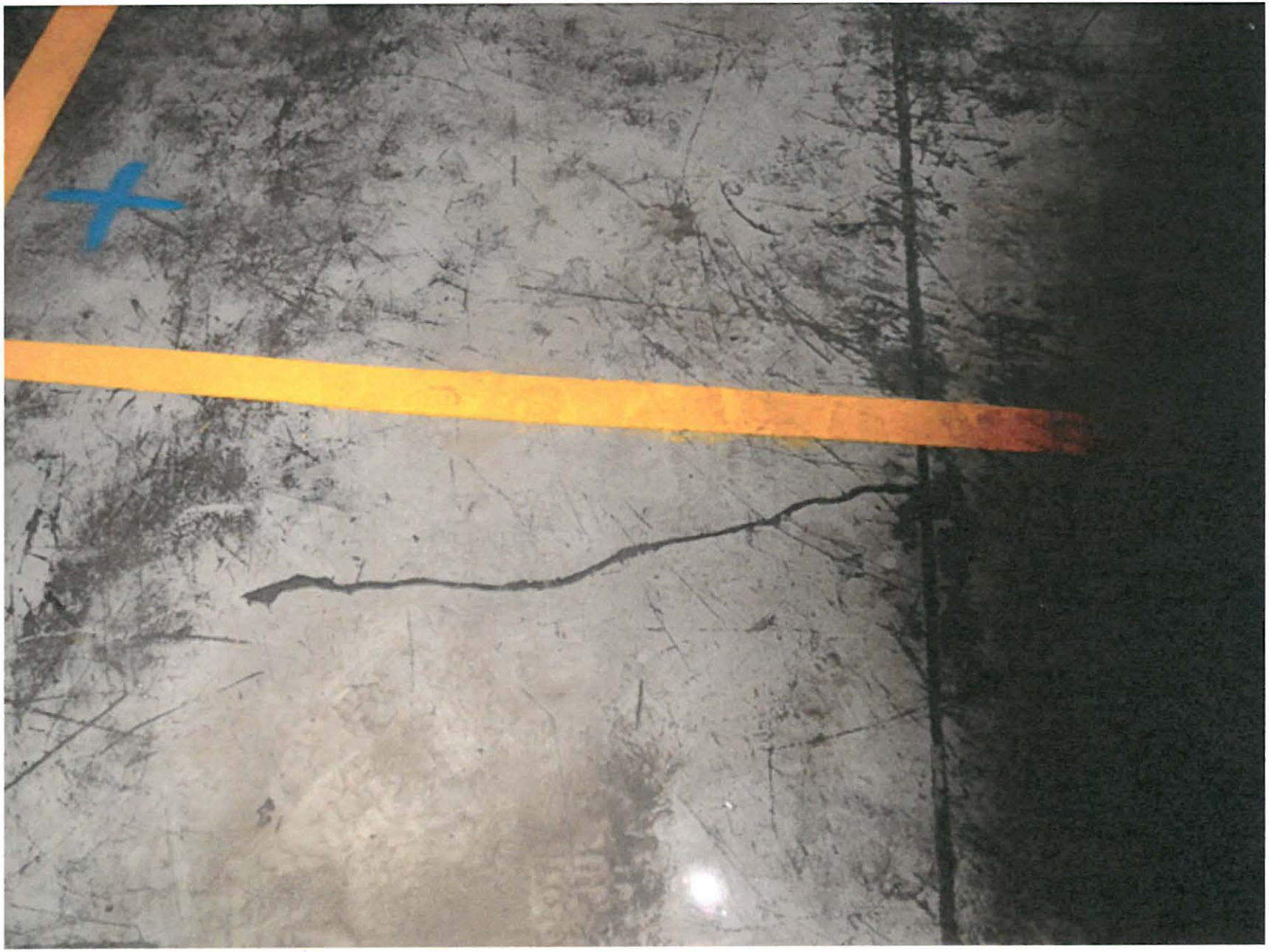
12. Looking East. Crack coated with fiberglass.

13. Looking West. Slab joint – sealed.



14. Looking Northwest. Crack with branches extending west of sump – sealed.

14. Looking Northeast. Crack with branches extending west of sump – sealed.



14. Looking West. Crack with branches extending west of sump – sealed.

15. Looking South. Slab joint – sealed.

16. Looking South. Slab joint – sealed.

17. Looking South. Slab joint – sealed.

18. Looking North. Slab joint – sealed.

19. Looking North. Slab joint – sealed.

20. Looking North. Slab joint – sealed.

21. Looking East. Slab joint – sealed.

22. Looking Northeast. Crack with multiple branches – sealed.

22. Looking Southeast. Crack with multiple branches – sealed.

23. Looking North. Slab to foundation joint – 1/32" wide crack.

24. Looking North. Slab joint – sealed.

25. Looking North. Slab joint – sealed.

26. Looking North. Slab joint – sealed.

27. Looking East. Slab joint – sealed.

28. Looking East. Slab joint – sealed.

29. Looking East. Crack – ½" ground out and patched – sealed.

30. Looking North. "Criss-Cross" crack – ½" wide ground out and patched – sealed.

31. Looking North. Crack – ½" wide ground out and sealed.

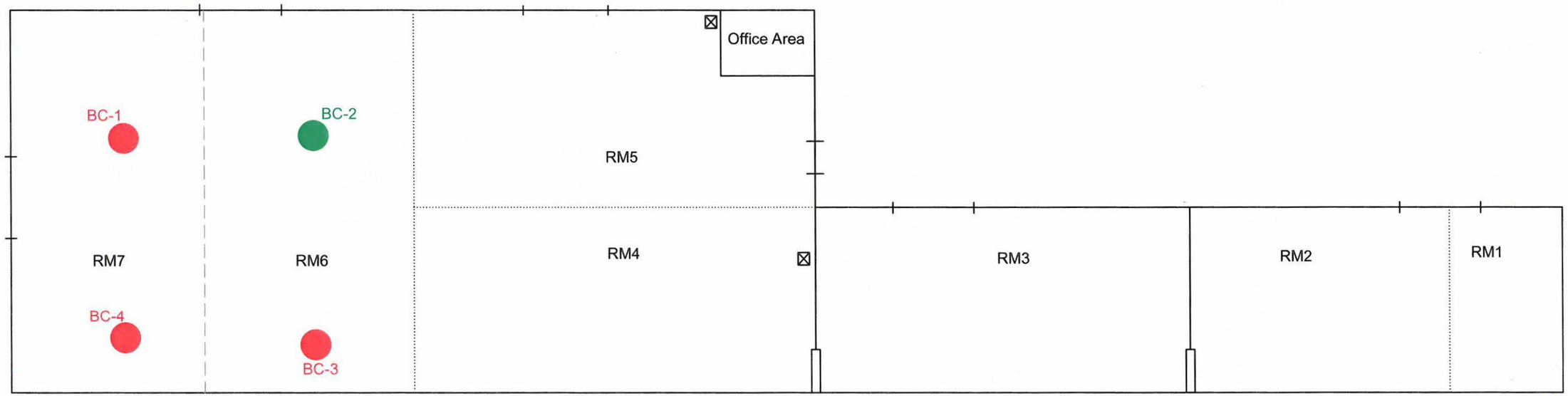
32. Looking North. Floor to cinder block wall – sealed.

ATTACHMENT 3: Shallow Soil Data Summary for Building B

Including:
-Shallow Soil Borings
-Analytical Results Table

BUILDING B

NORTH



LEGEND

- SUMP LOCATION
- DIRECT PUSH SOIL SAMPLE LOCATION (OCT. 2013)
- DIRECT PUSH SOIL & GROUNDWATER SAMPLE LOCATION (OCT. 2013)
- ROOM SEGMENT FOR SAMPLING PURPOSES
- SECONDARY CONTAINMENT STRUCTURE

0' 10' 20'

CLEAN HARBORS

PROJECT NAME
BUILDING B:
SHALLOW SOIL BORINGS

SHEET TITLE

B.GERBER PROJECT MGR.	B.WEAST DRAWN BY:	S.KLAUS CHECKED BY:
8-25-2014 DATE	1401030 JOB NO.	1 / 1 SHEET/OF

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

Southeast
ACCUTEST LABORATORIES

02/12/14

Technical Report for

ISI Environmental Services

Clean Harbors; KS

Accutest Job Number: FA12080

Sampling Date: 01/28/14

Report to:

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Total number of pages in report: **150**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

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8.2: Prep QC MP26787: Hg 146

Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; KS

Job No: FA12080

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12080-1	01/28/14	12:15	BG	01/30/14	AQ	Water	BLD B RM 6
FA12080-2	01/28/14	13:35	BG	01/30/14	AQ	Water	BLD B RM 7
FA12080-3	01/28/14	14:10	BG	01/30/14	AQ	Water	BLD B RM 4
FA12080-4	01/28/14	14:30	BG	01/30/14	AQ	Water	BLD B RM 5
FA12080-4F	01/28/14	14:30	BG	01/30/14	AQ	Water Filtered	BLD B RM 5
FA12080-5	01/28/14	15:15	BG	01/30/14	AQ	Water	BLD B RM 3
FA12080-6	01/28/14	16:00	BG	01/30/14	AQ	Water	BLD B RM 2
FA12080-7	01/28/14	16:20	BG	01/30/14	AQ	Water	BLD B RM 1
FA12080-8	01/28/14	16:45	BG	01/30/14	AQ	Water	TAP WATER
FA12080-9	01/28/14	00:00	BG	01/30/14	AQ	Trip Blank Water	TRIP BLANK
FA12080-10	01/28/14	17:00	BG	01/31/14	AQ	Water	BLD B RMS 4-7
FA12080-11	01/28/14	17:00	BG	01/31/14	AQ	Water	BLD B RMS 1-3

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12080-1	**BLD B RM 6**					
Benzene		1.9	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.40 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		4.2 J	5.0	1.0	ug/l	SW846 8260B
Methyl chloride		0.72 J	2.0	0.53	ug/l	SW846 8260B
Naphthalene		2.9 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.57 J	2.0	0.24	ug/l	SW846 8260B
Toluene		1.6	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.2 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.57 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		200	190	38	ug/l	SW846 8270D
2-Chlorophenol		0.74 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		2.5 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		4.2 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		9.0	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.86 J	4.7	0.56	ug/l	SW846 8270D
Phenol		96.2	19	1.9	ug/l	SW846 8270D
Acenaphthylene		0.72 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		19.9	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		8.3	4.7	0.94	ug/l	SW846 8270D
1,2-Diphenylhydrazine		1.3 J	4.7	0.64	ug/l	SW846 8270D
Di-n-butyl phthalate		19.8	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		1.7 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		4.7	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene		0.71 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.5 J	4.7	0.47	ug/l	SW846 8270D
2,4-D [a]		12.2 J	19	3.4	ug/l	SW846 8151A
2,4,5-T [a]		2.8	1.9	0.54	ug/l	SW846 8151A
Aluminum		8000	200		ug/l	SW846 6010C
Antimony		18.2	6.0		ug/l	SW846 6010C
Arsenic		13.3	10		ug/l	SW846 6010C
Barium		625	200		ug/l	SW846 6010C
Cadmium		10.9	5.0		ug/l	SW846 6010C
Calcium		302000	1000		ug/l	SW846 6010C
Chromium		163	10		ug/l	SW846 6010C
Copper		212	25		ug/l	SW846 6010C
Iron		13200	300		ug/l	SW846 6010C
Lead		671	5.0		ug/l	SW846 6010C
Magnesium		20900	5000		ug/l	SW846 6010C
Manganese		569	15		ug/l	SW846 6010C
Mercury		3.0	0.50		ug/l	SW846 7470A
Nickel		53.2	40		ug/l	SW846 6010C
Potassium		20600	10000		ug/l	SW846 6010C
Sodium		118000	20000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Strontium		937	10		ug/l	SW846 6010C
Titanium		168	10		ug/l	SW846 6010C
Zinc		4910	20		ug/l	SW846 6010C
FA12080-2	**BLD B RM 7**					
Benzene		3.3	1.0	0.24	ug/l	SW846 8260B
Carbon disulfide		0.25 J	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		0.54 J	1.0	0.28	ug/l	SW846 8260B
2-Hexanone		10.3	10	2.0	ug/l	SW846 8260B
4-Methyl-2-pentanone		8.4	5.0	1.0	ug/l	SW846 8260B
Methyl chloride		0.82 J	2.0	0.53	ug/l	SW846 8260B
Naphthalene		2.2 J	3.0	1.0	ug/l	SW846 8260B
Styrene		0.23 J	1.0	0.23	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.40 J	2.0	0.24	ug/l	SW846 8260B
Toluene		2.0	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.6 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.0	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		685	470	94	ug/l	SW846 8270D
2,4-Dimethylphenol		1.2 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		2.2 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		4.3 J	4.7	1.1	ug/l	SW846 8270D
Phenol		9.3	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		1.3 J	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		8.5	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		2.3 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		5.5	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		16.5	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene		0.78 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		2.3 J	4.7	0.47	ug/l	SW846 8270D
beta-BHC [a]		0.38 J	0.47	0.047	ug/l	SW846 8081B
delta-BHC [a]		0.071 J	0.47	0.047	ug/l	SW846 8081B
Heptachlor [a]		0.10 J	0.47	0.047	ug/l	SW846 8081B
2,4-D [a]		99.9	19	3.4	ug/l	SW846 8151A
2,4,5-T [a]		8.9	1.9	0.54	ug/l	SW846 8151A
Dicamba [a]		5.8	1.9	0.51	ug/l	SW846 8151A
Dichloroprop [b]		7.7 J	19	3.9	ug/l	SW846 8151A
Aluminum		9670	200		ug/l	SW846 6010C
Antimony		15.6	6.0		ug/l	SW846 6010C
Arsenic		10.7	10		ug/l	SW846 6010C
Barium		663	200		ug/l	SW846 6010C
Cadmium		7.9	5.0		ug/l	SW846 6010C
Calcium		324000	1000		ug/l	SW846 6010C
Chromium		202	10		ug/l	SW846 6010C
Copper		208	25		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		15600	300		ug/l	SW846 6010C
Lead		447	5.0		ug/l	SW846 6010C
Magnesium		26100	5000		ug/l	SW846 6010C
Manganese		486	15		ug/l	SW846 6010C
Mercury		1.2	0.50		ug/l	SW846 7470A
Nickel		98.4	40		ug/l	SW846 6010C
Potassium		36100	10000		ug/l	SW846 6010C
Sodium		192000	40000		ug/l	SW846 6010C
Strontium		1390	10		ug/l	SW846 6010C
Titanium		286	10		ug/l	SW846 6010C
Zinc		2560	20		ug/l	SW846 6010C
FA12080-3	**BLD B RM 4**					
Benzene		1.8	1.0	0.24	ug/l	SW846 8260B
Carbon disulfide		0.27 J	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		0.39 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		7.3	5.0	1.0	ug/l	SW846 8260B
Methyl chloride		1.3 J	2.0	0.53	ug/l	SW846 8260B
Naphthalene		1.5 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.30 J	2.0	0.24	ug/l	SW846 8260B
Toluene		1.2	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.1 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.82 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		87.4 J	94	19	ug/l	SW846 8270D
2,4-Dimethylphenol		0.62 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		0.95 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.0 J	4.7	1.1	ug/l	SW846 8270D
Phenol		6.6	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		3.9 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		5.1	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		96.5	9.4	1.9	ug/l	SW846 8270D
Dimethyl phthalate		2.1 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		36.5	4.7	1.5	ug/l	SW846 8270D
Naphthalene		1.0 J	4.7	0.47	ug/l	SW846 8270D
beta-BHC [a]		0.52	0.47	0.047	ug/l	SW846 8081B
delta-BHC [a]		0.12 J	0.47	0.047	ug/l	SW846 8081B
gamma-BHC (Lindane) [a]		0.055 J	0.47	0.047	ug/l	SW846 8081B
Heptachlor [a]		0.086 J	0.47	0.047	ug/l	SW846 8081B
2,4-D [a]		6.7 J	19	3.4	ug/l	SW846 8151A
2,4,5-T [a]		1.2 J	1.9	0.54	ug/l	SW846 8151A
Aluminum		8750	200		ug/l	SW846 6010C
Antimony		10.4	6.0		ug/l	SW846 6010C
Arsenic		12.0	10		ug/l	SW846 6010C
Barium		3160	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cadmium		11.5	5.0		ug/l	SW846 6010C
Calcium		253000	1000		ug/l	SW846 6010C
Chromium		204	10		ug/l	SW846 6010C
Copper		175	25		ug/l	SW846 6010C
Iron		13000	300		ug/l	SW846 6010C
Lead		525	5.0		ug/l	SW846 6010C
Magnesium		25500	5000		ug/l	SW846 6010C
Manganese		599	15		ug/l	SW846 6010C
Mercury		3.0	0.50		ug/l	SW846 7470A
Nickel		48.0	40		ug/l	SW846 6010C
Potassium		22900	10000		ug/l	SW846 6010C
Sodium		131000	40000		ug/l	SW846 6010C
Strontium		1020	10		ug/l	SW846 6010C
Titanium		182	10		ug/l	SW846 6010C
Zinc		5620	20		ug/l	SW846 6010C
FA12080-4	**BLD B RM 5**					
Benzene		0.69 J	1.0	0.24	ug/l	SW846 8260B
Bromodichloromethane		2.5	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.60 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		1.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		2.8	1.0	0.36	ug/l	SW846 8260B
Toluene		0.91 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		0.56 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		1450 J	1900	380	ug/l	SW846 8270D
2,4-Dimethylphenol		0.81 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		1.2 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.8 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.86 J	4.7	0.56	ug/l	SW846 8270D
Phenol		7.2	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		34.4	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		55.9	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		6.9	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		45.8	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.82 J	4.7	0.47	ug/l	SW846 8270D
2,4-D [b]		6.4 J	19	3.4	ug/l	SW846 8151A
Aluminum		7520	200		ug/l	SW846 6010C
Antimony		17.1	6.0		ug/l	SW846 6010C
Arsenic		13.8	10		ug/l	SW846 6010C
Barium		6010	200		ug/l	SW846 6010C
Cadmium		10.5	5.0		ug/l	SW846 6010C
Calcium		228000	1000		ug/l	SW846 6010C
Chromium		583	10		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		281	25		ug/l	SW846 6010C
Iron		12300	300		ug/l	SW846 6010C
Lead		3010	5.0		ug/l	SW846 6010C
Magnesium		25100	5000		ug/l	SW846 6010C
Manganese		537	15		ug/l	SW846 6010C
Mercury		1.6	0.50		ug/l	SW846 7470A
Nickel		75.6	40		ug/l	SW846 6010C
Potassium		23800	10000		ug/l	SW846 6010C
Sodium		227000	40000		ug/l	SW846 6010C
Strontium		1020	10		ug/l	SW846 6010C
Titanium		165	10		ug/l	SW846 6010C
Zinc		6980	20		ug/l	SW846 6010C
FA12080-5	**BLD B RM 3**					
Benzene		0.96 J	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.53 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		1.5 J	5.0	1.0	ug/l	SW846 8260B
Naphthalene		1.2 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.28 J	2.0	0.24	ug/l	SW846 8260B
Toluene		1.6	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.5 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.0	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		171 J	190	38	ug/l	SW846 8270D
2-Chlorophenol		0.50 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		0.49 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		1.8 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		1.0 J	4.7	0.56	ug/l	SW846 8270D
Phenol		82.7	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		6.3	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		24.8	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		1.1 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		7.3	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		1.0 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		8.2	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.77 J	4.7	0.47	ug/l	SW846 8270D
Pentachlorophenol [a]		0.43 J	1.9	0.43	ug/l	SW846 8151A
Aluminum		7480	200		ug/l	SW846 6010C
Antimony		8.1	6.0		ug/l	SW846 6010C
Arsenic		13.0	10		ug/l	SW846 6010C
Barium		5380	200		ug/l	SW846 6010C
Cadmium		8.2	5.0		ug/l	SW846 6010C
Calcium		235000	1000		ug/l	SW846 6010C
Chromium		158	10		ug/l	SW846 6010C
Copper		168	25		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		11300	300		ug/l	SW846 6010C
Lead		667	5.0		ug/l	SW846 6010C
Magnesium		25000	5000		ug/l	SW846 6010C
Manganese		498	15		ug/l	SW846 6010C
Mercury		4.3	0.50		ug/l	SW846 7470A
Potassium		28900	10000		ug/l	SW846 6010C
Sodium		162000	40000		ug/l	SW846 6010C
Strontium		989	10		ug/l	SW846 6010C
Titanium		384	10		ug/l	SW846 6010C
Zinc		3300	20		ug/l	SW846 6010C
FA12080-6	**BLD B RM 2**					
Benzene		0.60 J	1.0	0.24	ug/l	SW846 8260B
Toluene		0.79 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		0.86 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.66 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		80.1 J	94	19	ug/l	SW846 8270D
2-Nitrophenol		0.78 J	4.7	0.56	ug/l	SW846 8270D
4-Nitrophenol		4.8 J	24	4.7	ug/l	SW846 8270D
Phenol		4.0 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		12.2	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		18.5	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		2.0 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		2.1 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		2.1 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		11.8	4.7	1.5	ug/l	SW846 8270D
beta-BHC [a]		0.072 J	0.24	0.024	ug/l	SW846 8081B
delta-BHC [a]		0.098 J	0.24	0.024	ug/l	SW846 8081B
Aroclor 1260 [c]		0.34 J	0.47	0.19	ug/l	SW846 8082A
2,4-D [a]		5.8 J	19	3.4	ug/l	SW846 8151A
Aluminum		4750	200		ug/l	SW846 6010C
Antimony		7.1	6.0		ug/l	SW846 6010C
Arsenic		12.3	10		ug/l	SW846 6010C
Barium		2970	200		ug/l	SW846 6010C
Cadmium		5.4	5.0		ug/l	SW846 6010C
Calcium		192000	1000		ug/l	SW846 6010C
Chromium		181	10		ug/l	SW846 6010C
Copper		132	25		ug/l	SW846 6010C
Iron		8010	300		ug/l	SW846 6010C
Lead		442	5.0		ug/l	SW846 6010C
Magnesium		22200	5000		ug/l	SW846 6010C
Manganese		333	15		ug/l	SW846 6010C
Mercury		11.5	2.5		ug/l	SW846 7470A
Potassium		61100	10000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		205000	40000		ug/l	SW846 6010C
Strontium		787	10		ug/l	SW846 6010C
Titanium		132	10		ug/l	SW846 6010C
Zinc		1980	20		ug/l	SW846 6010C
FA12080-7	**BLD B RM 1**					
Benzene		6.6	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		1.9	1.0	0.28	ug/l	SW846 8260B
Naphthalene		8.0	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene		0.33 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1.7 J	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		2.0	2.0	0.20	ug/l	SW846 8260B
Toluene		11.0	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		5.4	2.0	0.48	ug/l	SW846 8260B
o-Xylene		2.6	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		30.4 J	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		0.55 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		1.3 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		2.3 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		3.4 J	4.7	1.1	ug/l	SW846 8270D
Phenol		9.0	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		0.68 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		190	19	3.1	ug/l	SW846 8270D
Benzyl Alcohol		18.1	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		0.74 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		2.4 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		2.4 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		0.81 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		32.5	4.7	1.5	ug/l	SW846 8270D
1-Methylnaphthalene		0.96 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		1.7 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		4.2 J	4.7	0.47	ug/l	SW846 8270D
Aroclor 1260 [c]		1.0	0.47	0.19	ug/l	SW846 8082A
Aluminum		4850	200		ug/l	SW846 6010C
Antimony		6.0	6.0		ug/l	SW846 6010C
Barium		622	200		ug/l	SW846 6010C
Cadmium		5.9	5.0		ug/l	SW846 6010C
Calcium		146000	1000		ug/l	SW846 6010C
Chromium		116	10		ug/l	SW846 6010C
Copper		109	25		ug/l	SW846 6010C
Iron		7390	300		ug/l	SW846 6010C
Lead		316	5.0		ug/l	SW846 6010C
Magnesium		20500	5000		ug/l	SW846 6010C
Manganese		272	15		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		24.1	5.0		ug/l	SW846 7470A
Potassium		40000	10000		ug/l	SW846 6010C
Sodium		136000	40000		ug/l	SW846 6010C
Strontium		610	10		ug/l	SW846 6010C
Titanium		148	10		ug/l	SW846 6010C
Zinc		1920	20		ug/l	SW846 6010C
FA12080-8	**TAP WATER**					
Bromodichloromethane		8.6	1.0	0.26	ug/l	SW846 8260B
Bromoform		2.1	1.0	0.38	ug/l	SW846 8260B
Chloroform		6.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		9.3	1.0	0.36	ug/l	SW846 8260B
Calcium		27200	1000		ug/l	SW846 6010C
Copper		57.1	25		ug/l	SW846 6010C
Magnesium		14500	5000		ug/l	SW846 6010C
Sodium		87700	20000		ug/l	SW846 6010C
Strontium		203	10		ug/l	SW846 6010C
FA12080-9	**TRIP BLANK**					
No hits reported in this sample.						

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis. Dilution required due to matrix interference. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) All hits confirmed by dual column analysis. Aroclor pattern appears to be weathered.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22347.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.9	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12080-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.40	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	4.2	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.72	2.0	0.53	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.9	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.57	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.6	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.2	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.57	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	93%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2 [a]	U043327.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010
Run #3	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml
Run #3	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	200 [b]	190	38	ug/l	
95-57-8	2-Chlorophenol	0.74	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	2.5	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	4.2	4.7	0.47	ug/l	J
	3&4-Methylphenol	9.0	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	0.86	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	96.2 [b]	19	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.72	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	19.9	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	8.3	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12080-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	1.3	4.7	0.64	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	19.8	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	1.7	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	4.7	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.71	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.5	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	35%	34%	41%	14-67%
4165-62-2	Phenol-d5	23%	23%	25%	10-50%
118-79-6	2,4,6-Tribromophenol	85%	76%	89%	33-118%
4165-60-0	Nitrobenzene-d5	74%	83%	83%	42-108%
321-60-8	2-Fluorobiphenyl	73%	77%	86%	40-106%
1718-51-0	Terphenyl-d14	93%	98%	99%	39-121%

(a) Reported for QC purposes only.
(b) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043313.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	12.2	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	2.8	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364173.D	10	02/05/14	EM	01/31/14	OP50304	GTT1418
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	ND	0.47	0.047	ug/l	
319-86-8	delta-BHC	ND	0.47	0.047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	ND	0.47	0.047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		42-127%
2051-24-3	Decachlorobiphenyl	108%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123951.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		38-127%
2051-24-3	Decachlorobiphenyl	77%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12080-1
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8000	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	18.2	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.3	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	625	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	10.9	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	302000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	163	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	212	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	13200	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	671	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	20900	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	569	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	3.0	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	53.2	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	20600	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	118000	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	937	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	168	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	4910	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22348.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	3.3	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.25	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.54	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	10.3	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	8.4	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.82	2.0	0.53	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.2	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	0.23	1.0	0.23	ug/l	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.40	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	2.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.6	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.0	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043359.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676793.D	10	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	685 [a]	470	94	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.2	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.2	4.7	0.47	ug/l	J
	3&4-Methylphenol	4.3	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	9.3	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	1.3	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	8.5	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.3	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	5.5	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	16.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.78	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	2.3	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%	46%	14-67%
4165-62-2	Phenol-d5	26%	32%	10-50%
118-79-6	2,4,6-Tribromophenol	82%	100%	33-118%
4165-60-0	Nitrobenzene-d5	79%	100%	42-108%
321-60-8	2-Fluorobiphenyl	76%	99%	40-106%
1718-51-0	Terphenyl-d14	97%	98%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043314.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	99.9	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	8.9	1.9	0.54	ug/l	
1918-00-9	Dicamba	5.8	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop [b]	7.7	19	3.9	ug/l	J
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) Outside control limits due to dilution.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364139.D	10	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	0.38	0.47	0.047	ug/l	J
319-86-8	delta-BHC	0.071	0.47	0.047	ug/l	J
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	0.10	0.47	0.047	ug/l	J
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		42-127%
877-09-8	Tetrachloro-m-xylene	76%		42-127%
2051-24-3	Decachlorobiphenyl	98%		27-127%
2051-24-3	Decachlorobiphenyl	106%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123952.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		38-127%
2051-24-3	Decachlorobiphenyl	77%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9670	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	15.6	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	10.7	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	663	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	7.9	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	324000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	202	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	208	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	15600	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	447	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	26100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	486	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.2	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	98.4	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	36100	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	192000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	1390	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	286	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	2560	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22349.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.8	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.27	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12080-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.39	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	7.3	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	1.3	2.0	0.53	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.5	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.30	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.1	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.82	1.0	0.20	ug/l	J

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	87%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043360.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676794.D	2	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	87.4 [a]	94	19	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.62	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.95	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.0	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	6.6	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	3.9	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	5.1	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12080-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	96.5 [a]	9.4	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	2.1	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	36.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.0	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%	25%	14-67%
4165-62-2	Phenol-d5	15%	17%	10-50%
118-79-6	2,4,6-Tribromophenol	64%	75%	33-118%
4165-60-0	Nitrobenzene-d5	58%	66%	42-108%
321-60-8	2-Fluorobiphenyl	61%	69%	40-106%
1718-51-0	Terphenyl-d14	65%	60%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043315.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	6.7	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	1.2	1.9	0.54	ug/l	J
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364140.D	10	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	0.52	0.47	0.047	ug/l	
319-86-8	delta-BHC	0.12	0.47	0.047	ug/l	J
58-89-9	gamma-BHC (Lindane)	0.055	0.47	0.047	ug/l	J
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	0.086	0.47	0.047	ug/l	J
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		42-127%
2051-24-3	Decachlorobiphenyl	61%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123955.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		38-127%
2051-24-3	Decachlorobiphenyl	42%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12080-3
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8750	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	10.4	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.0	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	3160	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	11.5	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	253000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	204	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	175	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	13000	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	525	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	25500	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	599	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	3.0	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	48.0	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	22900	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	131000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	1020	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	182	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	5620	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22350.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.69	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	2.5	1.0	0.26	ug/l	
75-25-2	Bromoform	0.60	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	2.8	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12080-4
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.91	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.56	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.28	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043361.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676795.D	40	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	1450 [a]	1900	380	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.81	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	1.2	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.8	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	0.86	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	7.2	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	34.4	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12080-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	55.9	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	6.9	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	45.8	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.82	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%	0% [b]	14-67%
4165-62-2	Phenol-d5	22%	0% [b]	10-50%
118-79-6	2,4,6-Tribromophenol	79%	0% [b]	33-118%
4165-60-0	Nitrobenzene-d5	70%	0% [b]	42-108%
321-60-8	2-Fluorobiphenyl	73%	0% [b]	40-106%
1718-51-0	Terphenyl-d14	96%	0% [b]	39-121%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043316.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D [b]	6.4	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364141.D	5	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	ND	0.24	0.024	ug/l	
319-86-8	delta-BHC	ND	0.24	0.024	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		42-127%
2051-24-3	Decachlorobiphenyl	62%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123956.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		38-127%
2051-24-3	Decachlorobiphenyl	47%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12080-4
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7520	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	17.1	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.8	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	6010	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	10.5	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	228000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	583	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	281	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	12300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	3010	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	25100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	537	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.6	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	75.6	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	23800	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	227000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	1020	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	165	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	6980	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22351.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.96	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.53	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	1.5	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.2	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.28	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.6	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.5	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.0	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12080-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043362.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676796.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	171 [a]	190	38	ug/l	J
95-57-8	2-Chlorophenol	0.50	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.49	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	1.8	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	1.0	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	82.7	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	6.3	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	24.8	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12080-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	1.1	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	7.3	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	1.0	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	8.2	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.77	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	36%	14-67%
4165-62-2	Phenol-d5	23%	23%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	77%	33-118%
4165-60-0	Nitrobenzene-d5	64%	73%	42-108%
321-60-8	2-Fluorobiphenyl	70%	79%	40-106%
1718-51-0	Terphenyl-d14	90%	94%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043317.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	0.43	1.9	0.43	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364142.D	5	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	ND	0.24	0.024	ug/l	
319-86-8	delta-BHC	ND	0.24	0.024	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		42-127%
2051-24-3	Decachlorobiphenyl	57%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123957.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		38-127%
2051-24-3	Decachlorobiphenyl	44%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12080-5
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7480	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	8.1	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.0	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	5380	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	8.2	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	235000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	158	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	168	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	11300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	667	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	25000	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	498	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	4.3	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	28900	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	162000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	989	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	384	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	3300	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22352.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.60	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.79	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.86	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.66	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043363.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676797.D	2	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	80.1 [a]	94	19	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	0.78	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	4.8	24	4.7	ug/l	J
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	4.0	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	12.2	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	18.5	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 2
Lab Sample ID: FA12080-6
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.0	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	2.1	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	2.1	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	11.8	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	35%	14-67%
4165-62-2	Phenol-d5	21%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	74%	77%	33-118%
4165-60-0	Nitrobenzene-d5	68%	77%	42-108%
321-60-8	2-Fluorobiphenyl	72%	79%	40-106%
1718-51-0	Terphenyl-d14	88%	86%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043320.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	5.8	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364143.D	5	02/05/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	0.072	0.24	0.024	ug/l	J
319-86-8	delta-BHC	0.098	0.24	0.024	ug/l	J
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		42-127%
2051-24-3	Decachlorobiphenyl	60%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST123958.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260 [b]	0.34	0.47	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		38-127%
2051-24-3	Decachlorobiphenyl	44%		25-137%

(a) All hits confirmed by dual column analysis.
(b) Aroclor pattern appears to be weathered.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 2
Lab Sample ID: FA12080-6
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4750	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	7.1	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.3	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	2970	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	5.4	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	192000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	181	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	132	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	8010	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	442	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	22200	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	333	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	11.5	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	61100	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	205000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	787	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	132	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	1980	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22353.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	6.6	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.9	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	8.0	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.33	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.7	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	2.0	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	11.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	5.4	2.0	0.48	ug/l	
95-47-6	o-Xylene	2.6	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043364.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676798.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	30.4	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	0.55	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.3	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.3	4.7	0.47	ug/l	J
	3&4-Methylphenol	3.4	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	9.0	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.68	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	190 [a]	19	3.1	ug/l	
100-51-6	Benzyl Alcohol	18.1	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	0.74	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.4	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	2.4	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	0.81	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	32.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.96	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.7	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	4.2	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	32%	14-67%
4165-62-2	Phenol-d5	21%	20%	10-50%
118-79-6	2,4,6-Tribromophenol	76%	67%	33-118%
4165-60-0	Nitrobenzene-d5	61%	68%	42-108%
321-60-8	2-Fluorobiphenyl	66%	66%	40-106%
1718-51-0	Terphenyl-d14	84%	82%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043321.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364144.D	5	02/05/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	ND	0.24	0.024	ug/l	
319-86-8	delta-BHC	ND	0.24	0.024	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		42-127%
2051-24-3	Decachlorobiphenyl	59%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST123961.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260 [b]	1.0	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		38-127%
2051-24-3	Decachlorobiphenyl	44%		25-137%

(a) All hits confirmed by dual column analysis.
(b) Aroclor pattern appears to be weathered.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4850	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	622	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	5.9	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	146000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	116	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	109	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	7390	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	316	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	20500	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	272	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	24.1	5.0	ug/l	10	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	40000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	136000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	610	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	148	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	1920	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22354.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	8.6	1.0	0.26	ug/l	
75-25-2	Bromoform	2.1	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	6.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	9.3	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	90%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0676821.D	4	02/06/14	NAF	02/03/14	OP50319	SL3399
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	190	38	ug/l	
95-57-8	2-Chlorophenol	ND	19	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	19	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	19	2.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	19	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	94	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	38	7.5	ug/l	
95-48-7	2-Methylphenol	ND	19	1.9	ug/l	
	3&4-Methylphenol	ND	19	4.4	ug/l	
88-75-5	2-Nitrophenol	ND	19	2.3	ug/l	
100-02-7	4-Nitrophenol	ND	94	19	ug/l	
87-86-5	Pentachlorophenol	ND	94	19	ug/l	
108-95-2	Phenol	ND	19	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	19	3.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	19	2.1	ug/l	
83-32-9	Acenaphthene	ND	19	1.9	ug/l	
208-96-8	Acenaphthylene	ND	19	1.9	ug/l	
62-53-3	Aniline	ND	19	3.8	ug/l	
120-12-7	Anthracene	ND	19	2.3	ug/l	
92-87-5	Benzidine	ND	94	19	ug/l	
56-55-3	Benzo(a)anthracene	ND	19	2.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	19	2.5	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	19	2.7	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	19	3.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	19	1.9	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	19	2.5	ug/l	
85-68-7	Butyl benzyl phthalate	ND	19	3.1	ug/l	
100-51-6	Benzyl Alcohol	ND	19	3.8	ug/l	
91-58-7	2-Chloronaphthalene	ND	19	2.1	ug/l	
106-47-8	4-Chloroaniline	ND	19	1.9	ug/l	
86-74-8	Carbazole	ND	19	2.3	ug/l	
218-01-9	Chrysene	ND	19	2.7	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TAP WATER
Lab Sample ID: FA12080-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	19	2.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	19	2.6	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	19	2.2	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	19	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	19	1.9	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	19	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	19	1.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	19	1.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	19	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	19	2.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	19	3.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	19	3.1	ug/l	
132-64-9	Dibenzofuran	ND	19	2.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	19	3.8	ug/l	
117-84-0	Di-n-octyl phthalate	ND	19	3.8	ug/l	
84-66-2	Diethyl phthalate	ND	19	3.8	ug/l	
131-11-3	Dimethyl phthalate	ND	19	2.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	19	6.0	ug/l	
206-44-0	Fluoranthene	ND	19	2.6	ug/l	
86-73-7	Fluorene	ND	19	1.9	ug/l	
118-74-1	Hexachlorobenzene	ND	19	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	19	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	19	3.8	ug/l	
67-72-1	Hexachloroethane	ND	19	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	19	2.4	ug/l	
78-59-1	Isophorone	ND	19	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	19	1.9	ug/l	
91-57-6	2-Methylnaphthalene	ND	19	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	19	4.5	ug/l	
99-09-2	3-Nitroaniline	ND	19	2.3	ug/l	
100-01-6	4-Nitroaniline	ND	19	2.9	ug/l	
91-20-3	Naphthalene	ND	19	1.9	ug/l	
98-95-3	Nitrobenzene	ND	19	1.9	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	19	3.8	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	19	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	19	2.0	ug/l	
85-01-8	Phenanthrene	ND	19	2.2	ug/l	
129-00-0	Pyrene	ND	19	3.1	ug/l	
110-86-1	Pyridine	ND	38	7.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	19	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		14-67%
4165-62-2	Phenol-d5	18%		10-50%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	79%		42-108%
321-60-8	2-Fluorobiphenyl	81%		40-106%
1718-51-0	Terphenyl-d14	98%		39-121%

(a) Dilution required due to matrix interference (internal standard failure).

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC043310.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.93	0.17	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.093	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.093	0.027	ug/l	
1918-00-9	Dicamba	ND	0.093	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.3	0.93	ug/l	
120-36-5	Dichloroprop	ND	0.93	0.20	ug/l	
94-82-6	2,4-DB	ND	0.93	0.31	ug/l	
93-65-2	MCPP	ND	93	12	ug/l	
94-74-6	MCPA	ND	93	20	ug/l	
87-86-5	Pentachlorophenol	ND	0.093	0.022	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	89%		33-145%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TAP WATER
Lab Sample ID: FA12080-8
Matrix: AQ - Water
Method: SW846 8081B SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TT364145.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		42-127%
2051-24-3	Decachlorobiphenyl	109%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123962.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		38-127%
2051-24-3	Decachlorobiphenyl	78%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TAP WATER
Lab Sample ID: FA12080-8
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	27200	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	57.1	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	< 300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	14500	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	87700	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	203	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12080-9	**Date Sampled:**	01/28/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22337.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12080-9	**Date Sampled:**	01/28/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12080-9	**Date Sampled:**	01/28/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	92%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12080 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: I.S. Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isenvironmental.com
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Mays

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipes

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins/Furans	LAB USE ONLY
1	Bld B Rm 6	01-28-14	1125	BG	WW	10	X, X, X	X	X	X	X	X		
2	Bld B Rm 7	01/28/14	1335	BG	WW	10	X, X, X	X	X	X	X	X		
3	Bld B Rm 4	01/28/14	1410	BG	WW	10	X, X, X	X	X	X	X	X		
4	Bld B Rm 5	01/28/14	1430	BG	WW	10	X, X, X	X	X	X	X	X		
5	Bld B Rm 3	01/28/14	1515	BG	WW	10	X, X, X	X	X	X	X	X		
6	Bld B Rm 2	01/28/14	1600	BG	WW	10	X, X, X	X	X	X	X	X		
7	Bld B Rm 1	01/28/14	1620	BG	WW	10	X, X, X	X	X	X	X	X		
8	Tap Water	01/28/14	1645	BG	WW	10	X, X, X	X	X	X	X	X		
	Bld B Rms 4-7	01/28/14	1700	BG	WW	2	X						X	
	Bld B Rms 1-3	01/28/14	1710	BG	WW	2	X						X	
9	Trip Blank	01/28/14				3		X						

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	01/29/14 0900	2 FP	3 FP 01-30-14	915	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.0, 1.8, 2.2, 2.2, 2.4, 2.4, 2.0, 1.8, 2.0

4.1 4

FA12080: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12080 CLIENT: ESI Environ PROJECT: Clean Harbors

DATE/TIME RECEIVED: 01 30 14 915 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 9

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 6875 /6831 /6810 /6820/6794/6886/6842/6861/6803

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [✓] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [✓] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [✓] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 2.4,2.2,2.6,2.6,2.7,2.4,2.8,2.2,2.4
- [ ] CORRECTED TEMPS: 2.0,1.8,2.2,2.2,2.4,2.0,2.4,1.8,2.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [X] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [X] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [X] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

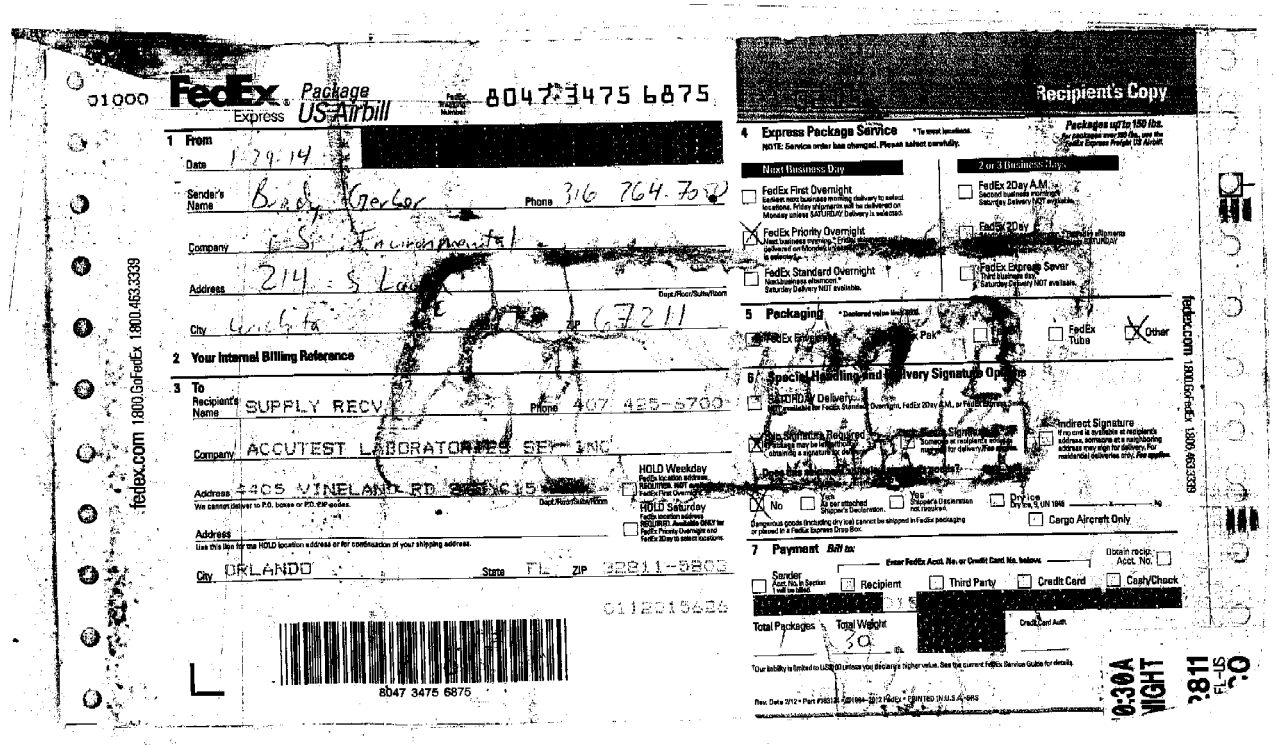
(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: Received 1 Broken Vial Sample's # 3,5. No Bottles Received For Bldg B Rms 4-7, Bldg B Rms 1-3

TECHNICIAN SIGNATURE/DATE: K Wilk 01 30 14 REVIEWER SIGNATURE/DATE: le 1-30-14

NF 12/10

receipt confirmation 122910.xls



01000 FedEx Express Package US Airbill 8047 3475 6875

Recipient's Copy

1 From
Date 1-29-14
Sender's Name Brady Gerber Phone 316 764-7082
Company C.S. Environmental
Address 214 S Lac
City Wichita ZIP 67211

2 Your Internal Billing Reference

3 To
Recipient's Name SUPPLY RECV Phone 407 425-5700
Company ACCUTEST LABORATORIES SE INC
Address 4405 VINELAND RD
Address
City ORLANDO State FL ZIP 32811-5803

HOLD Weekday
HOLD Saturday

0112015626

8047 3475 6875

fedex.com 1800.GoFedEx 1800.463.3339

4 Express Package Service
Packages up to 150 lbs.
Next Business Day
FedEx First Overnight
FedEx Priority Overnight
FedEx Standard Overnight
2 or 3 Business Days
FedEx 2Day A.M.
FedEx 2Day
FedEx Express Saver

5 Packaging
FedEx Tube
Other

6 Special Handling and Delivery Signature Options
SATURDAY Delivery
No Signature Required
Indirect Signature
No
Yes
Dry Ice
Cargo Aircraft Only

7 Payment Bill to:
Sender
Recipient
Third Party
Credit Card
Cash/Check

Total Packages
Total Weight 30 lb.

fedex.com 1800.GoFedEx 1800.463.3339

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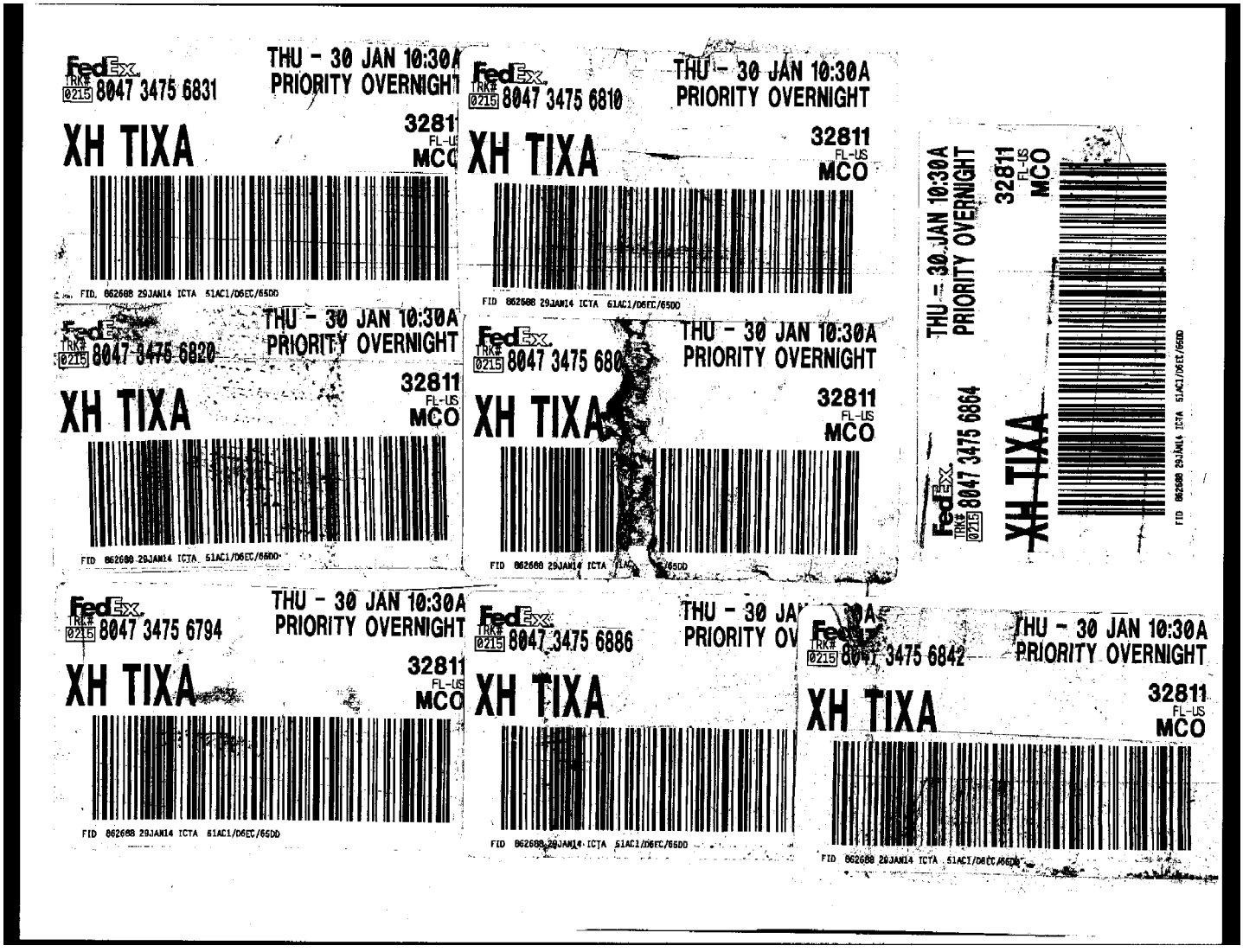

FA12080: Chain of Custody

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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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Accutest JOB # FA12080

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isienvironmental.com
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins / Furans						
1	Bld B Rm 6	01-28-14	1215	BG	WW	10		X	X		X					X	X	X	X	X							
2	Bld B Rm 7	01/28/14	1335	BG	WW	10		X	X		X					X	X	X	X	X							
3	Bld B Rm 4	01/28/14	1410	BG	WW	10		X	X		X					X	X	X	X	X							
4	Bld B Rm 5	01/28/14	1430	BG	WW	10		X	X		X					X	X	X	X	X							
5	Bld B Rm 3	01/28/14	1515	BG	WW	10		X	X		X					X	X	X	X	X							
6	Bld B Rm 2	01/28/14	1600	BG	WW	10		X	X		X					X	X	X	X	X							
7	Bld B Rm 1	01/28/14	1620	BG	WW	10		X	X		X					X	X	X	X	X							
8	Tap Water	01/28/14	1645	BG	WW	10		X	X		X					X	X	X	X	X							
10	Bld B Rms 4-7	01/28/14	1700	BG	WW	2		X													X						
11	Bld B Rms 1-3	01/28/14	1710	BG	WW	2		X													X						
9	Trip Blank	01/28/14				3										X											

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady [signature] / iSi	01/29/14 0900	2 FP	3 FP 01-30-14	915	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 20, 1.8, 22, 22, 24, 24, 20
1.8, 20

4.1

4

FA12080: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12080 CLIENT: ISI Envro. PROJECT: Clean Harbor

DATE/TIME RECEIVED: 01-31-14 1045 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3425 6853

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [Y] TRIP BLANK NOT PROVIDED
- [Y] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.1
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.9

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Missing Samples For FA12080 Bld B Rooms 4-7 will be Sample #10 Bld B Rooms 1-3 will be Sample #11

TECHNICIAN SIGNATURE/DATE: R Will 01/31/14 REVIEWER SIGNATURE/DATE: _____

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12080: Chain of Custody

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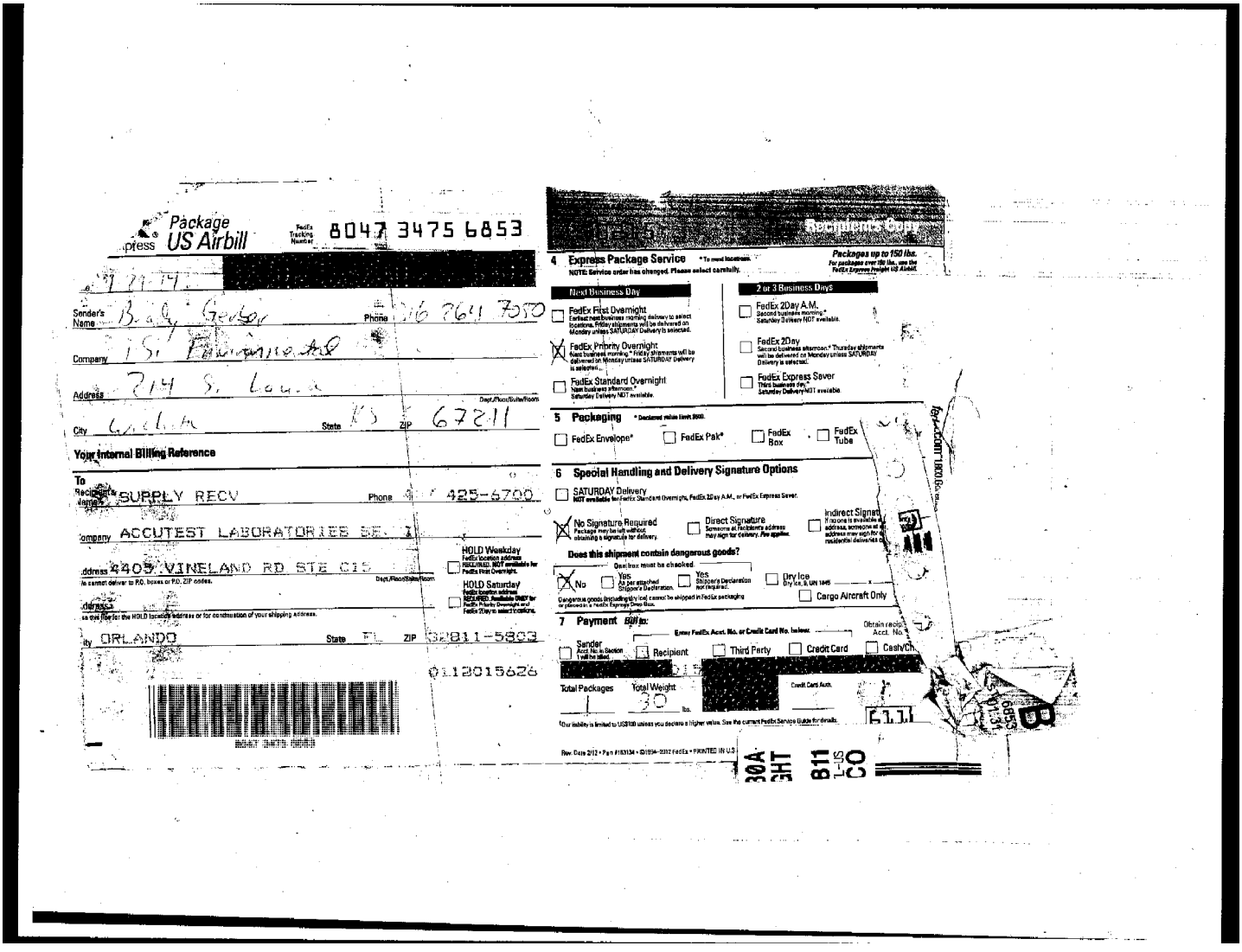

FA12080: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-MB	P22334.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-MB	P22334.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-MB	P22334.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	92%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-BS	P22332.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	181	145	50-147
107-02-8	Acrolein	125	121	97	31-154
107-13-1	Acrylonitrile	125	112	90	58-126
71-43-2	Benzene	25	27.9	112	81-122
108-86-1	Bromobenzene	25	28.6	114	80-121
74-97-5	Bromochloromethane	25	27.8	111	76-123
75-27-4	Bromodichloromethane	25	27.4	110	79-123
75-25-2	Bromoform	25	25.0	100	66-123
104-51-8	n-Butylbenzene	25	25.0	100	79-126
135-98-8	sec-Butylbenzene	25	30.0	120	83-133
98-06-6	tert-Butylbenzene	25	27.7	111	80-133
108-90-7	Chlorobenzene	25	28.8	115	82-124
75-00-3	Chloroethane	25	23.9	96	62-144
67-66-3	Chloroform	25	28.1	112	80-124
95-49-8	o-Chlorotoluene	25	30.3	121	81-127
106-43-4	p-Chlorotoluene	25	29.3	117	83-130
110-75-8	2-Chloroethyl vinyl ether	125	168	134*	56-122
75-15-0	Carbon disulfide	25	26.4	106	66-148
56-23-5	Carbon tetrachloride	25	31.5	126	76-136
75-34-3	1,1-Dichloroethane	25	28.0	112	81-122
75-35-4	1,1-Dichloroethylene	25	31.6	126	78-137
563-58-6	1,1-Dichloropropene	25	31.9	128	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.0	100	64-123
106-93-4	1,2-Dibromoethane	25	25.3	101	75-120
107-06-2	1,2-Dichloroethane	25	27.5	110	75-125
78-87-5	1,2-Dichloropropane	25	26.4	106	76-124
142-28-9	1,3-Dichloropropane	25	24.5	98	80-118
594-20-7	2,2-Dichloropropane	25	32.4	130	74-139
124-48-1	Dibromochloromethane	25	27.1	108	78-122
75-71-8	Dichlorodifluoromethane	25	24.8	99	42-167
156-59-2	cis-1,2-Dichloroethylene	25	27.9	112	78-120
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	75-118
541-73-1	m-Dichlorobenzene	25	29.6	118	84-125
95-50-1	o-Dichlorobenzene	25	28.5	114	82-124
106-46-7	p-Dichlorobenzene	25	27.2	109	78-120
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	76-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-BS	P22332.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	80-120
100-41-4	Ethylbenzene	25	27.3	109	81-121
591-78-6	2-Hexanone	125	158	126	61-129
87-68-3	Hexachlorobutadiene	25	29.8	119	75-142
98-82-8	Isopropylbenzene	25	27.2	109	83-132
99-87-6	p-Isopropyltoluene	25	29.1	116	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	22.9	92	59-143
74-87-3	Methyl chloride	25	26.6	106	50-159
74-95-3	Methylene bromide	25	25.7	103	78-119
75-09-2	Methylene chloride	25	26.7	107	69-135
78-93-3	Methyl ethyl ketone	125	157	126	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.8	103	72-117
91-20-3	Naphthalene	25	22.7	91	63-132
103-65-1	n-Propylbenzene	25	29.8	119	82-133
100-42-5	Styrene	25	24.5	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.4	110	77-122
71-55-6	1,1,1-Trichloroethane	25	30.9	124	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	72-120
79-00-5	1,1,2-Trichloroethane	25	24.3	97	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.8	111	68-131
96-18-4	1,2,3-Trichloropropane	25	26.4	106	77-120
120-82-1	1,2,4-Trichlorobenzene	25	23.4	94	73-129
95-63-6	1,2,4-Trimethylbenzene	25	26.3	105	79-120
108-67-8	1,3,5-Trimethylbenzene	25	26.3	105	79-120
127-18-4	Tetrachloroethylene	25	27.4	110	76-135
108-88-3	Toluene	25	26.7	107	80-120
79-01-6	Trichloroethylene	25	28.9	116	81-126
75-69-4	Trichlorofluoromethane	25	22.9	92	71-156
75-01-4	Vinyl chloride	25	26.9	108	69-159
108-05-4	Vinyl Acetate	125	105	84	43-154
	m,p-Xylene	50	58.2	116	79-126
95-47-6	o-Xylene	25	25.7	103	80-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-BS	P22332.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	79-125%
2037-26-5	Toluene-D8	89%	85-112%
460-00-4	4-Bromofluorobenzene	92%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA11964-4MS	P22355.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4MSD	P22356.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4	P22340.D	10	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	FA11964-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	250 U		1250	743	59	796	64	7	50-147/21
107-02-8	Acrolein	200 U		1250	871	70	916	73	5	31-154/29
107-13-1	Acrylonitrile	100 U		1250	1020	82	1090	87	7	58-126/16
71-43-2	Benzene	707		250	966	104	950	97	2	81-122/14
108-86-1	Bromobenzene	10 U		250	274	110	282	113	3	80-121/14
74-97-5	Bromochloromethane	10 U		250	278	111	290	116	4	76-123/14
75-27-4	Bromodichloromethane	10 U		250	263	105	234	94	12	79-123/19
75-25-2	Bromoform	10 U		250	185	74	174	70	6	66-123/21
104-51-8	n-Butylbenzene	10 U		250	240	96	231	92	4	79-126/16
135-98-8	sec-Butylbenzene	10 U		250	301	120	288	115	4	83-133/16
98-06-6	tert-Butylbenzene	10 U		250	272	109	274	110	1	80-133/16
108-90-7	Chlorobenzene	10 U		250	287	115	285	114	1	82-124/14
75-00-3	Chloroethane	20 U		250	234	94	237	95	1	62-144/20
67-66-3	Chloroform	10 U		250	295	118	291	116	1	80-124/15
95-49-8	o-Chlorotoluene	10 U		250	303	121	299	120	1	81-127/15
106-43-4	p-Chlorotoluene	10 U		250	290	116	283	113	2	83-130/15
110-75-8	2-Chloroethyl vinyl ether	50 U		1250	ND	0*	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	20 U		250	211	84	181	72	15	66-148/23
56-23-5	Carbon tetrachloride	10 U		250	317	127	272	109	15	76-136/23
75-34-3	1,1-Dichloroethane	10 U		250	290	116	289	116	0	81-122/15
75-35-4	1,1-Dichloroethylene	10 U		250	318	127	324	130	2	78-137/18
563-58-6	1,1-Dichloropropene	10 U		250	310	124	299	120	4	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	20 U		250	244	98	229	92	6	64-123/18
106-93-4	1,2-Dibromoethane	10 U		250	250	100	262	105	5	75-120/13
107-06-2	1,2-Dichloroethane	10 U		250	286	114	281	112	2	75-125/14
78-87-5	1,2-Dichloropropane	10 U		250	270	108	267	107	1	76-124/14
142-28-9	1,3-Dichloropropane	10 U		250	247	99	248	99	0	80-118/13
594-20-7	2,2-Dichloropropane	10 U		250	278	111	275	110	1	74-139/17
124-48-1	Dibromochloromethane	10 U		250	224	90	211	84	6	78-122/19
75-71-8	Dichlorodifluoromethane	20 U		250	249	100	247	99	1	42-167/19
156-59-2	cis-1,2-Dichloroethylene	10 U		250	281	112	282	113	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	10 U		250	231	92	207	83	11	75-118/23
541-73-1	m-Dichlorobenzene	10 U		250	301	120	298	119	1	84-125/14
95-50-1	o-Dichlorobenzene	10 U		250	283	113	289	116	2	82-124/14
106-46-7	p-Dichlorobenzene	10 U		250	272	109	267	107	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	10 U		250	284	114	276	110	3	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA11964-4MS	P22355.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4MSD	P22356.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4	P22340.D	10	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	FA11964-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	10 U		250	253	101	231	92	9	80-120/22
100-41-4	Ethylbenzene	10 U		250	278	111	271	108	3	81-121/14
591-78-6	2-Hexanone	100 U		1250	926	74	1010	81	9	61-129/18
87-68-3	Hexachlorobutadiene	20 U		250	275	110	274	110	0	75-142/19
98-82-8	Isopropylbenzene	10 U		250	274	110	270	108	1	83-132/15
99-87-6	p-Isopropyltoluene	10 U		250	285	114	280	112	2	79-130/16
108-10-1	4-Methyl-2-pentanone	50 U		1250	1130	90	1200	96	6	66-122/16
74-83-9	Methyl bromide	20 U		250	236	94	231	92	2	59-143/19
74-87-3	Methyl chloride	20 U		250	263	105	265	106	1	50-159/19
74-95-3	Methylene bromide	20 U		250	267	107	261	104	2	78-119/14
75-09-2	Methylene chloride	50 U		250	286	114	281	112	2	69-135/16
78-93-3	Methyl ethyl ketone	50 U		1250	931	74	956	76	3	56-143/18
1634-04-4	Methyl Tert Butyl Ether	10 U		250	255	102	264	106	3	72-117/14
91-20-3	Naphthalene	50 U		250	209	84	234	94	11	63-132/25
103-65-1	n-Propylbenzene	10 U		250	297	119	289	116	3	82-133/15
100-42-5	Styrene	10 U		250	235	94	234	94	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	10 U		250	277	111	254	102	9	77-122/19
71-55-6	1,1,1-Trichloroethane	10 U		250	319	128	310	124	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	10 U		250	245	98	251	100	2	72-120/14
79-00-5	1,1,2-Trichloroethane	10 U		250	249	100	250	100	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	10 U		250	256	102	276	110	8	68-131/25
96-18-4	1,2,3-Trichloropropane	20 U		250	265	106	274	110	3	77-120/16
120-82-1	1,2,4-Trichlorobenzene	10 U		250	222	89	233	93	5	73-129/20
95-63-6	1,2,4-Trimethylbenzene	5.2	J	250	268	105	267	105	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	4.9	J	250	266	104	265	104	0	79-120/19
127-18-4	Tetrachloroethylene	10 U		250	264	106	255	102	3	76-135/16
108-88-3	Toluene	121		250	375	102	371	100	1	80-120/14
79-01-6	Trichloroethylene	10 U		250	307	123	309	124	1	81-126/15
75-69-4	Trichlorofluoromethane	20 U		250	236	94	228	91	3	71-156/21
75-01-4	Vinyl chloride	10 U		250	258	103	266	106	3	69-159/18
108-05-4	Vinyl Acetate	100 U		1250	1040	83	1090	87	5	43-154/14
	m,p-Xylene	112		500	710	120	698	117	2	79-126/15
95-47-6	o-Xylene	10.7		250	270	104	267	103	1	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA11964-4MS	P22355.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4MSD	P22356.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4	P22340.D	10	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Surrogate Recoveries	MS	MSD	FA11964-4	Limits
1868-53-7	Dibromofluoromethane	97%	96%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	94%	97%	79-125%
2037-26-5	Toluene-D8	86%	87%	93%	85-112%
460-00-4	4-Bromofluorobenzene	88%	90%	95%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-MB	L0676714.D	1	01/31/14	NAF	01/30/14	OP50292	SL3395

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	79%	40-106%
1718-51-0	Terphenyl-d14	99%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-MB	U043322.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	14-67%
4165-62-2	Phenol-d5	29%	10-50%
118-79-6	2,4,6-Tribromophenol	88%	33-118%
4165-60-0	Nitrobenzene-d5	87%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	107%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	33-118%
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	106%	39-121%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-BS	L0676713.D	1	01/31/14	NAF	01/30/14	OP50292	SL3395

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	20%	14-67%
4165-62-2	Phenol-d5	13%	10-50%
118-79-6	2,4,6-Tribromophenol	41%	33-118%
4165-60-0	Nitrobenzene-d5	64%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	94%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-BS	U043321.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	16%	14-67%
4165-62-2	Phenol-d5	11%	10-50%
118-79-6	2,4,6-Tribromophenol	42%	33-118%
4165-60-0	Nitrobenzene-d5	66%	42-108%
321-60-8	2-Fluorobiphenyl	72%	40-106%
1718-51-0	Terphenyl-d14	108%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	16.0	16	10-69
95-57-8	2-Chlorophenol	50	34.7	69	52-98
59-50-7	4-Chloro-3-methyl phenol	50	33.7	67	54-103
120-83-2	2,4-Dichlorophenol	50	32.7	65	53-103
105-67-9	2,4-Dimethylphenol	50	33.1	66	43-90
51-28-5	2,4-Dinitrophenol	100	71.7	72	44-112
534-52-1	4,6-Dinitro-o-cresol	100	78.7	79	66-121
95-48-7	2-Methylphenol	50	30.9	62	43-90
	3&4-Methylphenol	100	54.9	55	36-88
88-75-5	2-Nitrophenol	50	33.5	67	53-102
100-02-7	4-Nitrophenol	100	26.9	27	18-62
87-86-5	Pentachlorophenol	100	69.6	70	61-115
108-95-2	Phenol	50	13.5	27	19-56
95-95-4	2,4,5-Trichlorophenol	50	38.2	76	62-109
88-06-2	2,4,6-Trichlorophenol	50	37.9	76	59-107
83-32-9	Acenaphthene	50	42.5	85	61-107
208-96-8	Acenaphthylene	50	41.6	83	60-104
62-53-3	Aniline	50	32.4	65	47-100
120-12-7	Anthracene	50	40.9	82	65-108
92-87-5	Benzidine	50	36.8	74	25-99
56-55-3	Benzo(a)anthracene	50	40.8	82	66-111
50-32-8	Benzo(a)pyrene	50	39.3	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.0	82	65-114
191-24-2	Benzo(g,h,i)perylene	50	39.0	78	66-116
207-08-9	Benzo(k)fluoranthene	50	41.1	82	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.9	70	65-109
85-68-7	Butyl benzyl phthalate	50	38.4	77	65-112
100-51-6	Benzyl Alcohol	50	32.2	64	46-94
91-58-7	2-Chloronaphthalene	50	37.3	75	57-103
106-47-8	4-Chloroaniline	50	34.4	69	49-105
86-74-8	Carbazole	50	40.2	80	59-113
218-01-9	Chrysene	50	43.0	86	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.3	71	51-102
111-44-4	bis(2-Chloroethyl)ether	50	36.7	73	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	40.1	80	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.7	75	62-105

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
122-66-7	1,2-Diphenylhydrazine	50	50.1	100	61-110
541-73-1	1,3-Dichlorobenzene	50	31.4	63	45-95
106-46-7	1,4-Dichlorobenzene	50	33.0	66	45-98
121-14-2	2,4-Dinitrotoluene	50	40.1	80	61-110
606-20-2	2,6-Dinitrotoluene	50	39.8	80	63-108
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	46-117
53-70-3	Dibenzo(a,h)anthracene	50	38.8	78	66-119
132-64-9	Dibenzofuran	50	39.6	79	61-106
84-74-2	Di-n-butyl phthalate	50	36.8	74	65-107
117-84-0	Di-n-octyl phthalate	50	36.1	72	62-118
84-66-2	Diethyl phthalate	50	38.7	77	64-108
131-11-3	Dimethyl phthalate	50	36.0	72	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.1	76	61-117
206-44-0	Fluoranthene	50	40.7	81	63-106
86-73-7	Fluorene	50	41.3	83	62-108
118-74-1	Hexachlorobenzene	50	42.2	84	63-108
87-68-3	Hexachlorobutadiene	50	29.5	59	42-102
77-47-4	Hexachlorocyclopentadiene	50	23.9	48	39-102
67-72-1	Hexachloroethane	50	31.5	63	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	34.3	69	64-119
78-59-1	Isophorone	50	34.9	70	43-87
90-12-0	1-Methylnaphthalene	50	37.4	75	53-102
91-57-6	2-Methylnaphthalene	50	32.9	66	51-102
88-74-4	2-Nitroaniline	50	45.9	92	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.9	84	55-120
91-20-3	Naphthalene	50	34.2	68	47-100
98-95-3	Nitrobenzene	50	33.6	67	50-104
62-75-9	N-Nitrosodimethylamine	50	19.1	38	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	43.4	87	52-104
86-30-6	N-Nitrosodiphenylamine	50	46.0	92	64-108
85-01-8	Phenanthrene	50	42.0	84	66-110
129-00-0	Pyrene	50	43.5	87	64-113
110-86-1	Pyridine	50	19.6	39	23-74
120-82-1	1,2,4-Trichlorobenzene	50	29.9	60	45-97

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	97%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-MS	U043328.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010
OP50292-MSD	U043329.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010
FA12080-1 [a]	U043327.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-1	Limits
367-12-4	2-Fluorophenol	58%	53%	34%	14-67%
4165-62-2	Phenol-d5	45%	39%	23%	10-50%
118-79-6	2,4,6-Tribromophenol	88%	89%	76%	33-118%
4165-60-0	Nitrobenzene-d5	79%	79%	83%	42-108%
321-60-8	2-Fluorobiphenyl	84%	83%	77%	40-106%
1718-51-0	Terphenyl-d14	106%	108%	98%	39-121%

(a) Reported for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	200 [a]		189	466	141*	471	144*	1	10-69/39
95-57-8	2-Chlorophenol	0.74	J	94.3	57.1	61	69.3	73	19	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	70.6	75	74.9	79	6	54-103/23
120-83-2	2,4-Dichlorophenol	ND		94.3	59.9	63	69.9	74	15	53-103/26
105-67-9	2,4-Dimethylphenol	2.5	J	94.3	53.6	54	63.3	64	17	43-90/27
51-28-5	2,4-Dinitrophenol	ND		189	142	75	161	85	13	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		189	118	63*	150	80	24*	66-121/23
95-48-7	2-Methylphenol	4.2	J	94.3	61.4	60	70.0	69	13	43-90/28
	3&4-Methylphenol	9.0		189	124	61	139	69	11	36-88/28
88-75-5	2-Nitrophenol	0.86	J	94.3	59.5	63	72.9	77	20	53-102/29
100-02-7	4-Nitrophenol	ND		189	78.7	42	104	55	28	18-62/33
87-86-5	Pentachlorophenol	ND		189	144	76	158	84	9	61-115/26
108-95-2	Phenol	96.2 [a]		94.3	197	107*	207	117*	5	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		94.3	67.9	72	74.6	79	9	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		94.3	68.2	72	73.5	78	7	59-107/23
83-32-9	Acenaphthene	ND		94.3	73.1	77	78.9	84	8	61-107/22
208-96-8	Acenaphthylene	0.72	J	94.3	71.9	76	78.8	84	9	60-104/22
62-53-3	Aniline	ND		94.3	ND	0*	7.3	8*	200*	47-100/30
120-12-7	Anthracene	ND		94.3	66.1	70	71.1	75	7	65-108/20
92-87-5	Benzidine	ND		94.3	ND	0*	ND	0*	nc	25-99/31
56-55-3	Benzo(a)anthracene	ND		94.3	72.6	77	76.5	81	5	66-111/22
50-32-8	Benzo(a)pyrene	ND		94.3	64.7	69	70.1	74	8	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		94.3	78.2	83	80.8	86	3	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		94.3	75.5	80	78.0	83	3	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		94.3	79.4	84	83.9	89	6	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	57.0	60*	66.8	71	16	65-109/23
85-68-7	Butyl benzyl phthalate	19.9		94.3	94.6	85	93.8	84	1	65-112/24
100-51-6	Benzyl Alcohol	8.3		94.3	72.2	68	79.9	76	10	46-94/27
91-58-7	2-Chloronaphthalene	ND		94.3	63.8	68	70.1	74	9	57-103/23
106-47-8	4-Chloroaniline	ND		94.3	3.5	4*	2.8	3*	22	49-105/27
86-74-8	Carbazole	ND		94.3	70.9	75	74.2	79	5	59-113/21
218-01-9	Chrysene	ND		94.3	75.9	80	79.2	84	4	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	61.9	66	74.6	79	19	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	62.6	66	67.5	72	8	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	66.5	70	77.1	82	15	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	66.9	71	71.8	76	7	62-105/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		94.3	55.0	58	63.0	67	14	48-97/24
122-66-7	1,2-Diphenylhydrazine	1.3	J	94.3	77.5	82	88.7	94	13	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		94.3	54.3	58	62.9	67	15	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		94.3	56.9	60	65.8	70	15	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		94.3	68.6	73	75.0	80	9	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		94.3	70.9	75	74.7	79	5	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	ND	0*	ND	0*	nc	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	75.7	80	77.8	82	3	66-119/24
132-64-9	Dibenzofuran	ND		94.3	71.2	75	76.5	81	7	61-106/21
84-74-2	Di-n-butyl phthalate	19.8		94.3	80.8	64*	85.5	69	6	65-107/21
117-84-0	Di-n-octyl phthalate	ND		94.3	75.1	80	78.9	84	5	62-118/24
84-66-2	Diethyl phthalate	ND		94.3	70.2	74	73.8	78	5	64-108/21
131-11-3	Dimethyl phthalate	1.7	J	94.3	65.6	70	68.9	73	5	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	4.7		94.3	71.6	68	74.6	71	4	61-117/23
206-44-0	Fluoranthene	ND		94.3	68.3	72	77.0	82	12	63-106/21
86-73-7	Fluorene	ND		94.3	74.5	79	80.2	85	7	62-108/20
118-74-1	Hexachlorobenzene	ND		94.3	68.5	73	72.8	77	6	63-108/22
87-68-3	Hexachlorobutadiene	ND		94.3	57.5	61	67.3	71	16	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		94.3	45.9	49	49.6	53	8	39-102/29
67-72-1	Hexachloroethane	ND		94.3	57.0	60	67.0	71	16	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	67.8	72	70.3	75	4	64-119/24
78-59-1	Isophorone	ND		94.3	65.6	70	75.1	80	14	43-87/25
90-12-0	1-Methylnaphthalene	ND		94.3	73.6	78	81.5	86	10	53-102/27
91-57-6	2-Methylnaphthalene	0.71	J	94.3	65.1	69	72.9	77	11	51-102/26
88-74-4	2-Nitroaniline	ND		94.3	73.7	78	79.9	85	8	54-128/24
99-09-2	3-Nitroaniline	ND		94.3	15.4	16*	25.6	27*	50*	56-106/27
100-01-6	4-Nitroaniline	ND		94.3	22.5	24*	32.6	35*	37*	55-120/24
91-20-3	Naphthalene	1.5	J	94.3	64.4	68	73.2	78	13	47-100/29
98-95-3	Nitrobenzene	ND		94.3	70.2	74	76.8	81	9	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		94.3	39.7	42	50.2	53	23	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	74.6	79	84.5	90	12	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		94.3	71.1	75	84.2	89	17	64-108/23
85-01-8	Phenanthrene	ND		94.3	75.2	80	77.8	82	3	66-110/21
129-00-0	Pyrene	ND		94.3	77.5	82	80.5	85	4	64-113/23
110-86-1	Pyridine	ND		94.3	37.9	40	51.1	54	30	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	55.8	59	65.2	69	16	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-1	FA12080-1	Limits
367-12-4	2-Fluorophenol	43%	58%	35%	41%	14-67%
4165-62-2	Phenol-d5	33%	47%	23%	25%	10-50%
118-79-6	2,4,6-Tribromophenol	73%	90%	85%	89%	33-118%
4165-60-0	Nitrobenzene-d5	69%	78%	74%	83%	42-108%
321-60-8	2-Fluorobiphenyl	71%	78%	73%	86%	40-106%
1718-51-0	Terphenyl-d14	92%	95%	93%	99%	39-121%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MB	CC043309.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	84%	33-145%

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50304-MB	TT364137.D	1	02/04/14	EM	01/31/14	OP50304	GTT1417

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	42-127%
2051-24-3	Decachlorobiphenyl	114%	27-127%

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50305-MB	ST123950.D	1	02/01/14	MV	01/31/14	OP50305	GST2945

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	90%	38-127%
2051-24-3	Decachlorobiphenyl	85%	25-137%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-BS	CC043308.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	5.3	106	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.56	112	76-142
93-76-5	2,4,5-T	0.5	0.54	108	75-149
1918-00-9	Dicamba	0.5	0.51	102	51-150
88-85-7	Dinoseb	2.5	1.6	64	10-122
75-99-0	Dalapon	12.5	10.6	85	19-132
120-36-5	Dichloroprop	5	6.4	128	76-160
94-82-6	2,4-DB	5	5.7	114	65-145
93-65-2	MCPP	500	538	108	66-131
94-74-6	MCPA	500	492	98	64-137
87-86-5	Pentachlorophenol	0.5	0.46	92	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	90%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50304-BS	TT364136.D	1	02/04/14	EM	01/31/14	OP50304	GTT1417

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.54	108	61-126
319-84-6	alpha-BHC	0.5	0.54	108	66-129
319-85-7	beta-BHC	0.5	0.49	98	66-132
319-86-8	delta-BHC	0.5	0.46	92	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.55	110	68-132
5103-71-9	alpha-Chlordane	0.5	0.56	112	66-131
5103-74-2	gamma-Chlordane	0.5	0.57	114	68-128
60-57-1	Dieldrin	0.5	0.58	116	66-138
72-54-8	4,4'-DDD	0.5	0.58	116	63-138
72-55-9	4,4'-DDE	0.5	0.54	108	59-133
50-29-3	4,4'-DDT	0.5	0.48	96	55-145
72-20-8	Endrin	0.5	0.48	96	71-147
1031-07-8	Endosulfan sulfate	0.5	0.53	106	64-128
7421-93-4	Endrin aldehyde	0.5	0.48	96	60-130
53494-70-5	Endrin ketone	0.5	0.53	106	66-137
959-98-8	Endosulfan-I	0.5	0.43	86	66-133
33213-65-9	Endosulfan-II	0.5	0.48	96	65-133
76-44-8	Heptachlor	0.5	0.52	104	63-130
1024-57-3	Heptachlor epoxide	0.5	0.54	108	67-129
72-43-5	Methoxychlor	0.5	0.48	96	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	99%	42-127%
2051-24-3	Decachlorobiphenyl	113%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50305-BS	ST123949.D	1	02/01/14	MV	01/31/14	OP50305	GST2945

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.4	85	57-122
11096-82-5	Aroclor 1260	4	3.0	75	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	94%	38-127%
2051-24-3	Decachlorobiphenyl	86%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MS	CC043311.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
OP50343-MSD	CC043312.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
FA12080-8	CC043310.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		9.43	11.5	122	10.5	111	9	69-138/21
93-72-1	2,4,5-TP (Silvex)	ND		0.943	1.1	117	1.0	106	10	76-142/27
93-76-5	2,4,5-T	ND		0.943	1.1	117	1.0	106	10	75-149/22
1918-00-9	Dicamba	ND		0.943	1.1	117	1.0	106	10	51-150/23
88-85-7	Dinoseb	ND		4.72	3.2	68	2.8	59	13	10-122/35
75-99-0	Dalapon	ND		23.6	24.4	103	12.8	54	62*	19-132/28
120-36-5	Dichloroprop	ND		9.43	13.7	145	12.7	135	8	76-160/21
94-82-6	2,4-DB	ND		9.43	11.3	120	10.3	109	9	65-145/26
93-65-2	MCPP	ND		943	1170	124	986	105	17	66-131/21
94-74-6	MCPA	ND		943	1030	109	955	101	8	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	0.97	103	0.91	96	6	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-8	Limits
19719-28-9	2,4-DCAA	110%	101%	89%	33-145%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50304-MS	TT364147.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417
OP50304-MSD	TT364148.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417
FA12080-8	TT364145.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		0.943	1.1	117	1.0	106	10	61-126/21
319-84-6	alpha-BHC	ND		0.943	0.99	105	1.0	106	1	66-129/23
319-85-7	beta-BHC	ND		0.943	0.93	99	0.91	96	2	66-132/23
319-86-8	delta-BHC	ND		0.943	0.92	98	0.83	88	10	41-142/27
58-89-9	gamma-BHC (Lindane)	ND		0.943	1.0	106	1.0	106	0	68-132/22
5103-71-9	alpha-Chlordane	ND		0.943	1.1	117	1.1	117	0	66-131/24
5103-74-2	gamma-Chlordane	ND		0.943	1.1	117	1.1	117	0	68-128/21
60-57-1	Dieldrin	ND		0.943	1.1	117	1.1	117	0	66-138/22
72-54-8	4,4'-DDD	ND		0.943	1.2	127	1.1	117	9	63-138/24
72-55-9	4,4'-DDE	ND		0.943	1.1	117	1.0	106	10	59-133/23
50-29-3	4,4'-DDT	ND		0.943	0.89	94	0.87	92	2	55-145/27
72-20-8	Endrin	ND		0.943	0.98	104	0.92	98	6	71-147/23
1031-07-8	Endosulfan sulfate	ND		0.943	1.0	106	0.99	105	1	64-128/26
7421-93-4	Endrin aldehyde	ND		0.943	1.0	106	0.98	104	2	60-130/22
53494-70-5	Endrin ketone	ND		0.943	1.1	117	1.0	106	10	66-137/25
959-98-8	Endosulfan-I	ND		0.943	0.85	90	0.84	89	1	66-133/21
33213-65-9	Endosulfan-II	ND		0.943	0.95	101	0.92	98	3	65-133/22
76-44-8	Heptachlor	ND		0.943	0.99	105	0.95	101	4	63-130/23
1024-57-3	Heptachlor epoxide	ND		0.943	1.1	117	1.0	106	10	67-129/23
72-43-5	Methoxychlor	ND		0.943	0.88	93	0.83	88	6	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-8	Limits
877-09-8	Tetrachloro-m-xylene	99%	97%	86%	42-127%
2051-24-3	Decachlorobiphenyl	121%	116%	109%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50305-MS	ST123953.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
OP50305-MSD	ST123954.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
FA12080-2	ST123952.D	1	02/01/14	MV	01/31/14	OP50305	GST2945

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	6.4	85	6.5	86	2	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	6.6	87	6.7	89	2	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-2	Limits
877-09-8	Tetrachloro-m-xylene	90%	90%	93%	38-127%
2051-24-3	Decachlorobiphenyl	83%	79%	77%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-15	<200
Antimony	6.0	2	2.3	-2.5	<6.0
Arsenic	10	2	2.4	-0.10	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	1.1	<1000
Chromium	10	1	2	0.0	<10
Cobalt	50	.5	.5	-0.10	<50
Copper	25	1	1	-0.10	<25
Iron	300	17	17	-17	<300
Lead	5.0	1.1	1.1	0.50	<5.0
Magnesium	5000	50	56	0.10	<5000
Manganese	15	.5	1	-0.10	<15
Molybdenum	50	.5	.5	-1.1	<50
Nickel	40	.5	.5	0.10	<40
Potassium	10000	200	200	-26	<10000
Selenium	10	2.3	2.3	-0.10	<10
Silver	10	.65	.77	0.10	<10
Sodium	10000	500	500	-1.8	<10000
Strontium	10	.4	.4	-0.20	<10
Thallium	10	1.5	2	0.50	<10
Tin	50	.7	1	-1.3	<50
Titanium	10	.9	1	-1.1	<10
Vanadium	50	.5	.5	0.0	<50
Zinc	20	3	3	2.7	<20

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/03/14					02/03/14	
Metal	FA12118-1 Original	DUP	RPD	QC Limits	FA12118-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	0.0	0.0	NC	0-20	0.0	28600	27000	105.9	80-120
Antimony	0.0	0.0	NC	0-20	0.0	536	500	107.2	80-120
Arsenic	6.4	6.8	6.1	0-20	6.4	2160	2000	107.7	80-120
Barium	32.7	32.9	0.6	0-20	32.7	2210	2000	108.9	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	53.1	50	106.2	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	50.1	50	100.2	80-120
Calcium	588000	592000	0.7	0-20	588000	582000	25000	-24.0(c)	80-120
Chromium	1.1	1.5	30.8 (a)	0-20	1.1	213	200	106.0	80-120
Cobalt	15.4	15.3	0.7	0-20	15.4	526	500	102.1	80-120
Copper	0.0	0.0	NC	0-20	0.0	269	250	107.6	80-120
Iron	5330	5310	0.4	0-20	5330	31600	26000	101.0	80-120
Lead	0.0	0.0	NC	0-20	0.0	516	500	103.2	80-120
Magnesium	55000	55200	0.4	0-20	55000	77400	25000	89.6	80-120
Manganese	10700	10800	0.9	0-20	10700	10800	500	20.0 (c)	80-120
Molybdenum	0.0	0.0	NC	0-20	0.0	491	500	98.2	80-120
Nickel	12.2	12.0	1.7	0-20	12.2	531	500	103.8	80-120
Potassium	2140	2110	1.4	0-20	2140	30000	25000	111.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2150	2000	107.5	80-120
Silver	1.0	1.5	40.0 (a)	0-20	1.0	53.9	50	105.8	80-120
Sodium	138000	136000(b	1.5	0-20	138000	155000(b	25000	68.0 (c)	80-120
Strontium	4150	4100	1.2	0-20	4150	4380	500	46.0 (c)	80-120
Thallium	10.6	9.2	14.1	0-20	10.6	2060	2000	102.5	80-120
Tin	0.0	0.0	NC	0-20	0.0	496	500	99.2	80-120
Titanium	1.0	0.0	200.0(a)	0-20	1.0	510	500	101.8	80-120
Vanadium	4.8	4.6	4.3	0-20	4.8	514	500	101.8	80-120
Zinc	8.0	7.8	2.5	0-20	8.0	517	500	101.8	80-120

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Above linear range. For QC purposes only.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12118-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	0.0	29200	27000	108.1	2.1	20
Antimony	0.0	539	500	107.8	0.6	20
Arsenic	6.4	2180	2000	108.7	0.9	20
Barium	32.7	2220	2000	109.4	0.5	20
Beryllium	0.0	53.4	50	106.8	0.6	20
Cadmium	0.0	50.3	50	100.6	0.4	20
Calcium	588000	593000	25000	20.0 (a)	1.9	20
Chromium	1.1	215	200	107.0	0.9	20
Cobalt	15.4	529	500	102.7	0.6	20
Copper	0.0	272	250	108.8	1.1	20
Iron	5330	32300	26000	103.7	2.2	20
Lead	0.0	520	500	104.0	0.8	20
Magnesium	55000	78700	25000	94.8	1.7	20
Manganese	10700	11000	500	60.0 (a)	1.8	20
Molybdenum	0.0	503	500	100.6	2.4	20
Nickel	12.2	534	500	104.4	0.6	20
Potassium	2140	30800	25000	114.6	2.6	20
Selenium	0.0	2180	2000	109.0	1.4	20
Silver	1.0	54.4	50	106.8	0.9	20
Sodium	138000	158000(b	25000	80.0	1.9	20
Strontium	4150	4530	500	76.0 (a)	3.4	20
Thallium	10.6	2080	2000	103.5	1.0	20
Tin	0.0	508	500	101.6	2.4	20
Titanium	1.0	525	500	104.8	2.9	20
Vanadium	4.8	516	500	102.2	0.4	20
Zinc	8.0	521	500	102.6	0.8	20

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Above linear range. For QC purposes only.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27500	27000	101.9	80-120
Antimony	485	500	97.0	80-120
Arsenic	1950	2000	97.5	80-120
Barium	2040	2000	102.0	80-120
Beryllium	51.3	50	102.6	80-120
Cadmium	49.3	50	98.6	80-120
Calcium	25600	25000	102.4	80-120
Chromium	206	200	103.0	80-120
Cobalt	497	500	99.4	80-120
Copper	257	250	102.8	80-120
Iron	26400	26000	101.5	80-120
Lead	499	500	99.8	80-120
Magnesium	25000	25000	100.0	80-120
Manganese	509	500	101.8	80-120
Molybdenum	471	500	94.2	80-120
Nickel	503	500	100.6	80-120
Potassium	26100	25000	104.4	80-120
Selenium	1940	2000	97.0	80-120
Silver	49.2	50	98.4	80-120
Sodium	25800	25000	103.2	80-120
Strontium	492	500	98.4	80-120
Thallium	2010	2000	100.5	80-120
Tin	486	500	97.2	80-120
Titanium	498	500	99.6	80-120
Vanadium	484	500	96.8	80-120
Zinc	503	500	100.6	80-120

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12118-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	6.40	0.00	100.0(a)	0-10
Barium	32.7	35.0	7.0	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	588000	627000	6.5	0-10
Chromium	1.10	0.00	100.0(a)	0-10
Cobalt	15.4	15.7	1.9	0-10
Copper	0.00	0.00	NC	0-10
Iron	5330	5370	0.8	0-10
Lead	0.00	6.80	NC	0-10
Magnesium	55000	57800	5.0	0-10
Manganese	10700	11700	8.7	0-10
Molybdenum	0.00	0.00	NC	0-10
Nickel	12.2	11.9	2.5	0-10
Potassium	2140	1780	16.9 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	1.00	0.00	100.0(a)	0-10
Sodium	138000	142000	2.9	0-10
Strontium	4150	4210	1.3	0-10
Thallium	10.6	13.1	23.6 (a)	0-10
Tin	0.00	0.00	NC	0-10
Titanium	1.00	0.00	100.0(a)	0-10
Vanadium	4.80	4.60	4.2	0-10
Zinc	8.00	0.00	100.0(a)	0-10

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12118-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10			2651	0.2	125	2500	106.0	80-120
Antimony	9.8	10			107.5	0.2	5	100	107.5	80-120
Arsenic	9.8	10	6.4	6.272	115.1	0.2	5	100	108.8	80-120
Barium	9.8	10	32.7	32.046	300.5	0.2	12.5	250	107.4	80-120
Beryllium	9.8	10			52.1	0.2	2.5	50	104.2	80-120
Cadmium	9.8	10			49.9	0.2	2.5	50	99.8	80-120
Calcium	9.8	10	588300	576534	585800	0.2	250	5000	185.3*(a	80-120
Chromium	9.8	10	1.1	1.078	53.2	0.2	2.5	50	104.2	80-120
Cobalt	9.8	10	15.4	15.092	65.7	0.2	2.5	50	101.2	80-120
Copper	9.8	10			102.7	0.2	5	100	102.7	80-120
Iron	9.8	10	5328	5221.44	8201	0.2	150	3000	99.3	80-120
Lead	9.8	10			51	0.2	2.5	50	102.0	80-120
Magnesium	9.8	10	55000	53900	59370	0.2	250	5000	109.4	80-120
Manganese	9.8	10	10740	10525.2	10730	0.2	2.5	50	409.6*(a	80-120
Molybdenum	9.8	10			99.3	0.2	5	100	99.3	80-120
Nickel	9.8	10	12.2	11.956	115.2	0.2	5	100	103.2	80-120
Potassium	9.8	10	2144	2101.12	13060	0.2	500	10000	109.6	80-120
Selenium	9.8	10			102.1	0.2	5	100	102.1	80-120
Silver	9.8	10	1	.98	54.8	0.2	2.5	50	107.6	80-120
Sodium	9.8	10	137900	135142	144400	0.2	500	10000	92.6	80-120
Strontium	9.8	10	4152	4068.96	4120	0.2	2.5	50	102.1	80-120
Thallium	9.8	10	10.6	10.388	112.6	0.2	5	100	102.2	80-120
Tin	9.8	10			48.1	0.2	2.5	50	96.2	80-120
Titanium	9.8	10	1	.98	104.1	0.2	5	100	103.1	80-120
Vanadium	9.8	10	4.8	4.704	54.4	0.2	2.5	50	99.4	80-120
Zinc	9.8	10	8	7.84	259.8	0.2	12.5	250	100.8	80-120

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.060	<0.50

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14 02/07/14

Metal	FA12080-1 Original	DUP	RPD	QC Limits	FA12080-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	2.3	26.4*(a)	0-20	3.0	5.8	3	93.3	80-120

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High RPD indicates possible matrix interference. Aqueous sample contains heavy sediment layer.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	3.0	4.5	3	50.0N(a)	25.2 (a)	20

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	2.95	2.51	15.1*(a)	0-10

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

Southeast
ACCUTEST LABORATORIES

02/19/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita,KS

Accutest Job Number: FA12080R

Sampling Date: 01/28/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **22**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita,KS

Job No: FA12080R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12080-4FR	01/28/14	14:30	BG	01/30/14	AQ	Water Filtered	BLD B RM 5

Summary of Hits

Job Number: FA12080R
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 01/28/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

FA12080-4FR BLD B RM 5

No hits reported in this sample.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4FR	**Date Sampled:**	01/28/14
Matrix:	AQ - Water Filtered	**Date Received:**	01/30/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita,KS		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	< 200	200	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	< 5.0	5.0	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11403
(2) Prep QC Batch: MP26831

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA12080 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: I.S. Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isenvironmental.com
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Mays

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipes

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins/Furans	LAB USE ONLY
1	Bld B Rm 6	01-28-14	1125	BG	WW	10	X, X, X	X	X	X	X	X		
2	Bld B Rm 7	01/28/14	1335	BG	WW	10	X, X, X	X	X	X	X	X		
3	Bld B Rm 4	01/28/14	1410	BG	WW	10	X, X, X	X	X	X	X	X		
4	Bld B Rm 5	01/28/14	1430	BG	WW	10	X, X, X	X	X	X	X	X		
5	Bld B Rm 3	01/28/14	1515	BG	WW	10	X, X, X	X	X	X	X	X		
6	Bld B Rm 2	01/28/14	1600	BG	WW	10	X, X, X	X	X	X	X	X		
7	Bld B Rm 1	01/28/14	1620	BG	WW	10	X, X, X	X	X	X	X	X		
8	Tap Water	01/28/14	1645	BG	WW	10	X, X, X	X	X	X	X	X		
	Bld B Rms 4-7	01/28/14	1700	BG	WW	2	X						X	
	Bld B Rms 1-3	01/28/14	1710	BG	WW	2	X						X	
9	Trip Blank	01/28/14				3		X						

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [X] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	01/29/14 0900	2 FP	3 FP 01-30-14	915	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.0, 1.8, 2.2, 2.2, 2.4, 2.4, 2.0, 1.8, 2.0

FA12080R: Chain of Custody
Page 1 of 8

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12080 CLIENT: ESI Environ PROJECT: Clean Harbors

DATE/TIME RECEIVED: 01 30 14 915 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 9

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 6875 / 6831 / 6810 / 6820 / 6794 / 6886 / 6842 / 6861 / 6803

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 2.4, 2.2, 2.6, 2.6, 2.8, 2.4, 2.8, 2.2, 2.4
- [ ] CORRECTED TEMPS: 2.0, 1.8, 2.2, 2.2, 2.4, 2.0, 2.4, 1.8, 2.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [x] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [x] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [x] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: Received 1 Broken Vial Sample's # 3,5. No Bottles Received For Bldg B Rms 4-7, Bldg B Rms 1-3

TECHNICIAN SIGNATURE/DATE: K Will 01 30 14 REVIEWER SIGNATURE/DATE: le 1-30-14

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12080R: Chain of Custody

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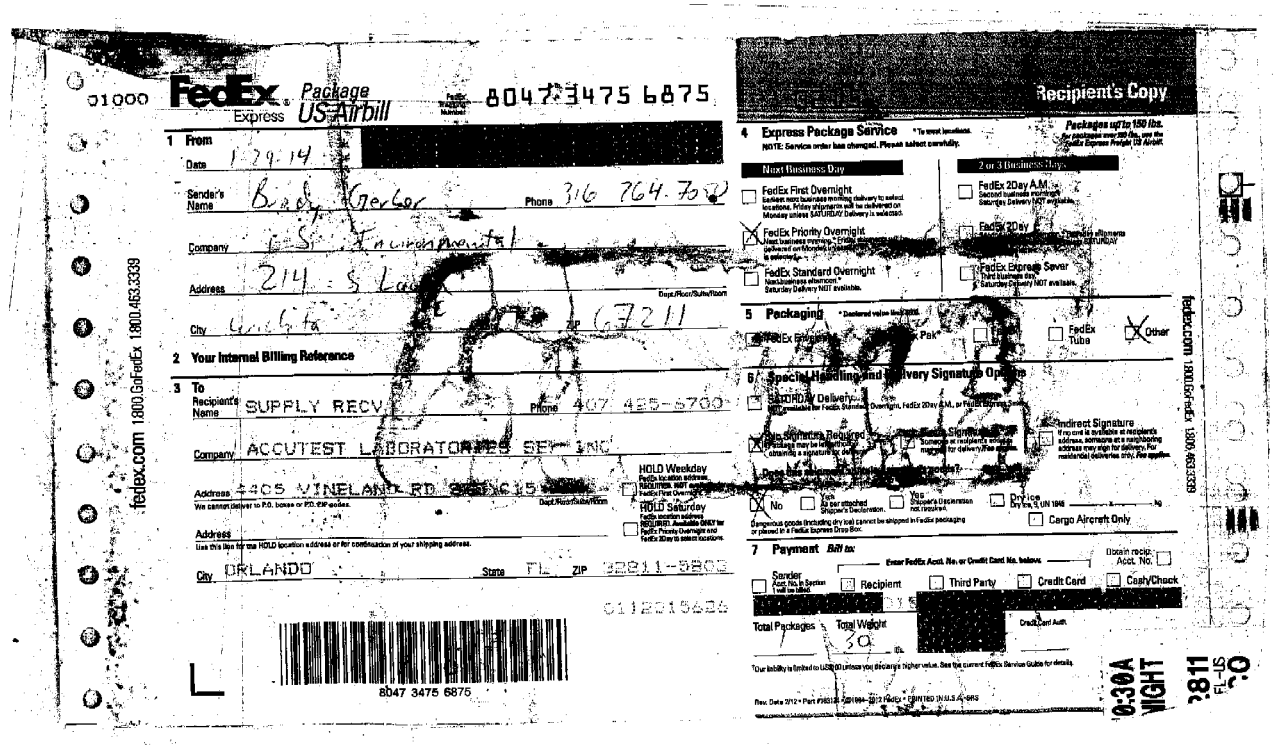

FA12080R: Chain of Custody
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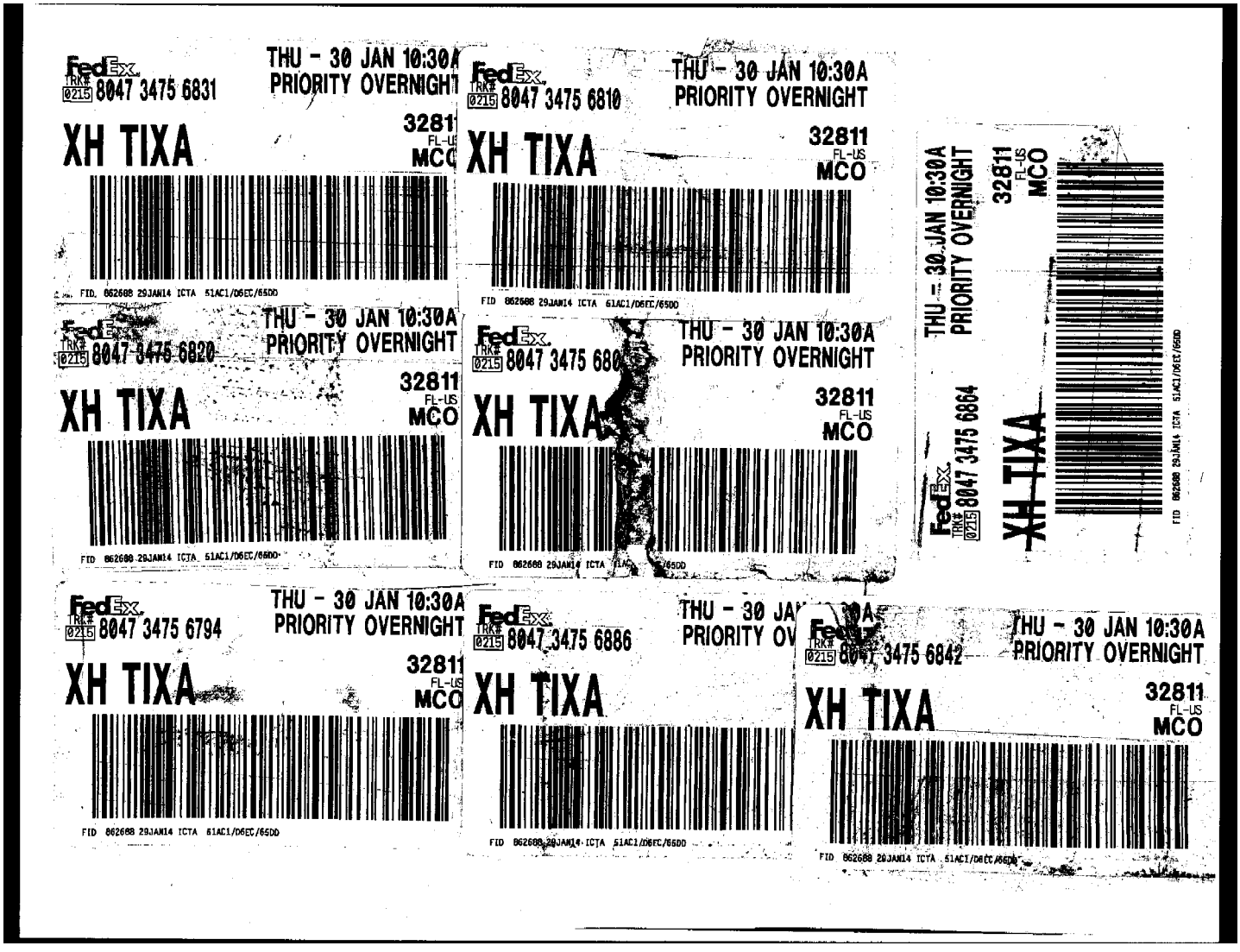

FA12080R: Chain of Custody

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Accutest Laboratories Southeast
Chain of Custody

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Accutest JOB # FA12080

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isienvironmental.com
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins / Furans						LAB USE ONLY
1	Bld B Rm 6	01-28-14	1215	BG	WW	10		X	X		X					X	X	X	X	X							
2	Bld B Rm 7	01/28/14	1335	BG	WW	10		X	X		X					X	X	X	X	X							
3	Bld B Rm 4	01/28/14	1410	BG	WW	10		X	X		X					X	X	X	X	X							
4	Bld B Rm 5	01/28/14	1430	BG	WW	10		X	X		X					X	X	X	X	X							
5	Bld B Rm 3	01/28/14	1515	BG	WW	10		X	X		X					X	X	X	X	X							
6	Bld B Rm 2	01/28/14	1600	BG	WW	10		X	X		X					X	X	X	X	X							
7	Bld B Rm 1	01/28/14	1620	BG	WW	10		X	X		X					X	X	X	X	X							
8	Tap Water	01/28/14	1645	BG	WW	10		X	X		X					X	X	X	X	X							
10	Bld B Rms 4-7	01/28/14	1700	BG	WW	2		X													X						
11	Bld B Rms 1-3	01/28/14	1710	BG	WW	2		X													X						
9	Trip Blank	01/28/14				3										X											

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady [signature] / iSi	01/29/14 0900	2 FP	3 FP 01-30-14	915	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 20, 1.8, 22, 22, 24, 24, 20
1.8, 20

4.1

4

FA12080R: Chain of Custody
Page 5 of 8

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12080 CLIENT: ISI Envro. PROJECT: Clean Harbor

DATE/TIME RECEIVED: 01-31-14 1045 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3425 6853

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [Y] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.1
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.9

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

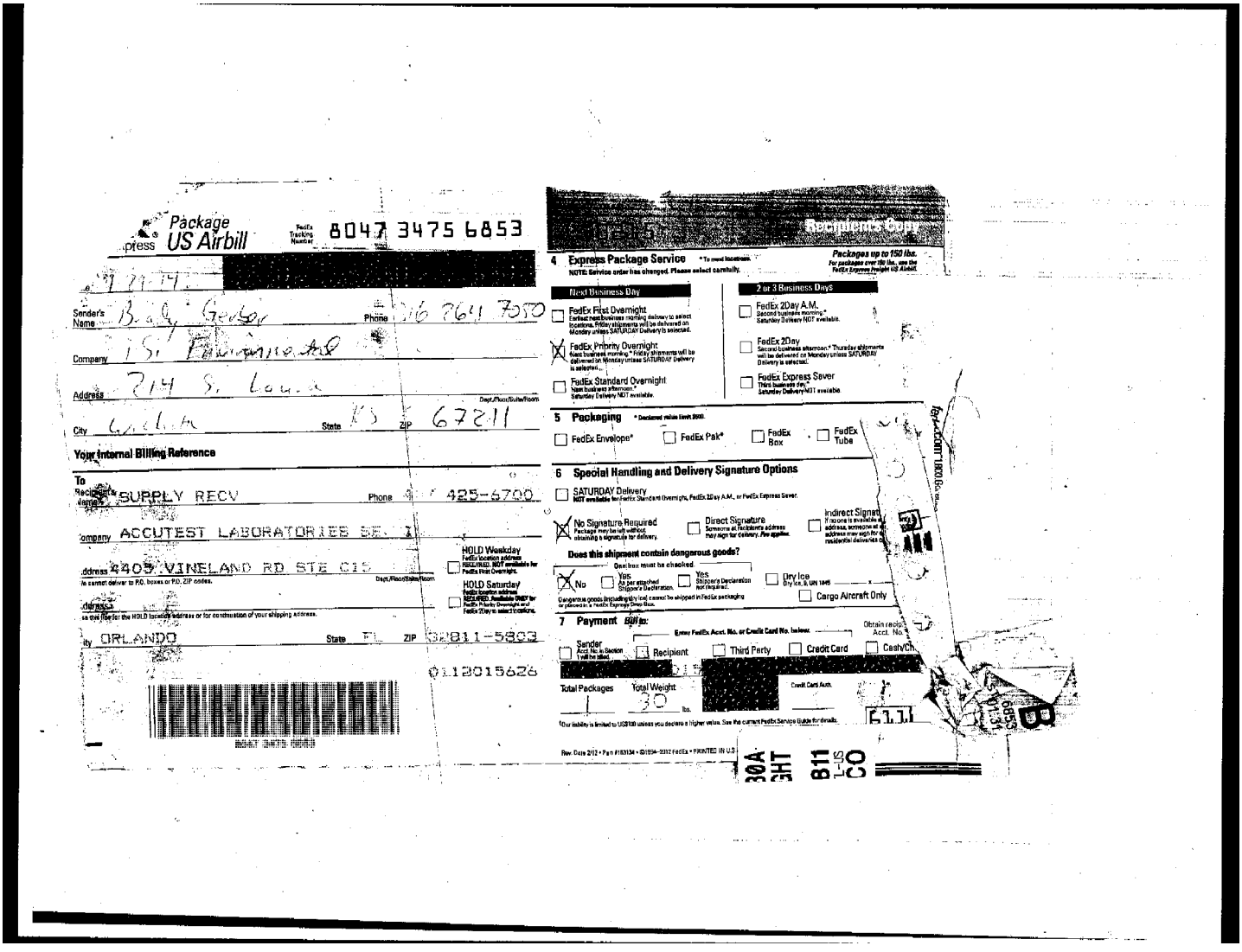
{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Missing Samples For FA12080 Bld B Rooms 4-7 will be Sample #10 Bld B Rooms 1-3 will be Sample #11

TECHNICIAN SIGNATURE/DATE: R Will 01-31-14 REVIEWER SIGNATURE/DATE: _____

NF 12/10

receipt confirmation 122910.xls



FA12080R: Chain of Custody
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Job Change Order: FA12080_2/12/2014

Requested Date:	2/12/2014	**Received Date:**	1/30/2014
Account Name:	ISI Environmental Services	**Due Date:**	2/6/2014
Project	Clean Harbors; KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	7

Sample #:
FA12080-4

BLD B RM 5

Change: Client would like to have dissolved Barium and Lead reported. Please use remaining unpreserved volume from organics, client is aware data will be qualified. Thank you.

Above Changes Per: client, Brady Gerber, via e-mail **Date:** 2/12/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

FA12080R: Chain of Custody
Page 8 of 8

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12080R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				02/18/14		02/18/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15				
Antimony	6.0	2	2.3				
Arsenic	10	2	2.4				
Barium	200	1	1	-0.10	<200	0.80	<200
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5				
Calcium	1000	50	50				
Chromium	10	1	2				
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1.1	1.1	-1.0	<5.0	-0.70	<5.0
Magnesium	5000	50	56				
Manganese	15	.5	1				
Molybdenum	50	.5	.5				
Nickel	40	.5	.5				
Potassium	10000	200	200				
Selenium	10	2.3	2.3				
Silver	10	.65	.77				
Sodium	10000	500	500				
Strontium	10	.4	.4				
Thallium	10	1.5	2				
Tin	50	.7	1				
Titanium	10	.9	1				
Vanadium	50	.5	.5				
Zinc	20	3	3				

Associated samples MP26831: FA12080-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/18/14					02/18/14	
Metal	FA12473-1 Original	DUP	RPD	QC Limits	FA12473-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	288	294	2.1	0-20	288	1750	2000	73.1N(a)	80-120
Beryllium	anr								
Cadmium									
Calcium	anr								
Chromium									
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	90.6	95.8	5.6	0-20	90.6	607	500	103.3	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

Associated samples MP26831: FA12080-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	FA12473-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	288	1740	2000	72.6N(a)	0.6	20
Beryllium	anr					
Cadmium						
Calcium	anr					
Chromium						
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	90.6	603	500	102.5	0.7	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium	anr					
Thallium	anr					
Tin	anr					
Titanium	anr					
Vanadium	anr					
Zinc	anr					

Associated samples MP26831: FA12080-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12080R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	2190	2000	109.5	80-120
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	516	500	103.2	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP26831: FA12080-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12080R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	FA12473-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	288	412	43.0*(a)	0-10
Beryllium	anr			
Cadmium				
Calcium	anr			
Chromium				
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	90.6	92.9	2.5	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP26831: FA12080-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12080R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	Sample ml	Final ml	FA12473-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium	9.8	10	288	282.24	457.1	0.2	12.5	250	69.9*(a)	80-120
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	90.6	88.788	138.1	0.2	2.5	50	98.6	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP26831: FA12080-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast
ACCUTEST LABORATORIES

03/17/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita, KS

Accutest Job Number: FA12580

Sampling Date: 02/18/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **91**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; Wichita, KS

Job No: FA12580

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12580-1	02/18/14	11:00	BGSK	02/19/14	AQ	Water	BLD B RM 1
FA12580-2	02/18/14	00:00	BGSK	02/19/14	AQ	Trip Blank Water	TRIP BLANK
FA12580-3	02/18/14	10:45	BGSK	02/19/14	AQ	Water	BLD B RM 2
FA12580-4	02/18/14	11:45	BGSK	02/19/14	AQ	Water	BLD B RM 4
FA12580-5	02/18/14	11:55	BGSK	02/19/14	AQ	Water	BLD B RM 5
FA12580-6	02/18/14	12:10	BGSK	02/19/14	AQ	Water	BLD B RM 6
FA12580-7	02/18/14	12:45	BGSK	02/19/14	AQ	Water	BLD B RM 7
FA12580-8	02/18/14	00:00	BGSK	02/19/14	AQ	Water	DUP-3

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12580-1	**BLD B RM 1**					
Benzyl Alcohol [a]		5.7 J	19	3.8	ug/l	SW846 8270D
Aluminum		313	200		ug/l	SW846 6010C
Cadmium		6.7	5.0		ug/l	SW846 6010C
Calcium		31300	1000		ug/l	SW846 6010C
Chromium		18.0	10		ug/l	SW846 6010C
Copper		34.3	25		ug/l	SW846 6010C
Iron		343	300		ug/l	SW846 6010C
Lead		29.2	5.0		ug/l	SW846 6010C
Magnesium		13900	5000		ug/l	SW846 6010C
Sodium		103000	20000		ug/l	SW846 6010C
Strontium		208	10		ug/l	SW846 6010C
Titanium		212	10		ug/l	SW846 6010C
Zinc		69.8	20		ug/l	SW846 6010C
FA12580-2	**TRIP BLANK**					
Toluene		0.27 J	1.0	0.20	ug/l	SW846 8260B
FA12580-3	**BLD B RM 2**					
Benzoic Acid		10.1 J	48	9.5	ug/l	SW846 8270D
Benzyl Alcohol		12.6	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		4.5 J	4.8	1.5	ug/l	SW846 8270D
Aluminum		561	200		ug/l	SW846 6010C
Barium		391	200		ug/l	SW846 6010C
Cadmium		9.6	5.0		ug/l	SW846 6010C
Calcium		33900	1000		ug/l	SW846 6010C
Chromium		33.0	10		ug/l	SW846 6010C
Copper		45.9	25		ug/l	SW846 6010C
Iron		714	300		ug/l	SW846 6010C
Lead		77.2	5.0		ug/l	SW846 6010C
Magnesium		14000	5000		ug/l	SW846 6010C
Manganese		21.3	15		ug/l	SW846 6010C
Mercury		0.79	0.50		ug/l	SW846 7470A
Potassium		12100	10000		ug/l	SW846 6010C
Sodium		105000	20000		ug/l	SW846 6010C
Strontium		225	10		ug/l	SW846 6010C
Titanium		440	10		ug/l	SW846 6010C
Zinc		143	20		ug/l	SW846 6010C
FA12580-4	**BLD B RM 4**					
Benzyl Alcohol		6.7	4.7	0.94	ug/l	SW846 8270D

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
bis(2-Ethylhexyl)phthalate	3.1 J	4.7	1.5	ug/l	SW846 8270D
delta-BHC [b]	0.0072 J	0.047	0.0047	ug/l	SW846 8081B
Aluminum	2220	200		ug/l	SW846 6010C
Antimony	6.8	6.0		ug/l	SW846 6010C
Barium	659	200		ug/l	SW846 6010C
Cadmium	23.2	5.0		ug/l	SW846 6010C
Calcium	50700	1000		ug/l	SW846 6010C
Chromium	74.5	10		ug/l	SW846 6010C
Copper	139	25		ug/l	SW846 6010C
Iron	2620	300		ug/l	SW846 6010C
Lead	118	5.0		ug/l	SW846 6010C
Magnesium	15100	5000		ug/l	SW846 6010C
Manganese	82.1	15		ug/l	SW846 6010C
Mercury	0.96	0.50		ug/l	SW846 7470A
Potassium	10500	10000		ug/l	SW846 6010C
Sodium	106000	20000		ug/l	SW846 6010C
Strontium	324	10		ug/l	SW846 6010C
Titanium	224	10		ug/l	SW846 6010C
Zinc	510	20		ug/l	SW846 6010C
FA12580-5 BLD B RM 5					
Benzyl Alcohol	26.9	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	2.2 J	4.7	1.5	ug/l	SW846 8270D
Aluminum	976	200		ug/l	SW846 6010C
Barium	1050	200		ug/l	SW846 6010C
Calcium	60500	1000		ug/l	SW846 6010C
Chromium	108	10		ug/l	SW846 6010C
Copper	73.4	25		ug/l	SW846 6010C
Iron	2660	300		ug/l	SW846 6010C
Lead	264	5.0		ug/l	SW846 6010C
Magnesium	15900	5000		ug/l	SW846 6010C
Manganese	118	15		ug/l	SW846 6010C
Mercury	0.55	0.50		ug/l	SW846 7470A
Potassium	21500	10000		ug/l	SW846 6010C
Sodium	189000	40000		ug/l	SW846 6010C
Strontium	266	10		ug/l	SW846 6010C
Titanium	32.2	10		ug/l	SW846 6010C
Zinc	583	20		ug/l	SW846 6010C
FA12580-6 BLD B RM 6					
Benzoic Acid	14.0 J	48	9.5	ug/l	SW846 8270D
Benzyl Alcohol	1.7 J	4.8	0.95	ug/l	SW846 8270D
Aluminum	1260	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		255	200		ug/l	SW846 6010C
Calcium		50000	1000		ug/l	SW846 6010C
Chromium		34.3	10		ug/l	SW846 6010C
Copper		97.8	25		ug/l	SW846 6010C
Iron		1970	300		ug/l	SW846 6010C
Lead		68.4	5.0		ug/l	SW846 6010C
Magnesium		15300	5000		ug/l	SW846 6010C
Manganese		55.3	15		ug/l	SW846 6010C
Sodium		101000	20000		ug/l	SW846 6010C
Strontium		258	10		ug/l	SW846 6010C
Titanium		103	10		ug/l	SW846 6010C
Zinc		525	20		ug/l	SW846 6010C
FA12580-7	**BLD B RM 7**					
Benzoic Acid		55.0	47	9.4	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		1.8 J	4.7	1.5	ug/l	SW846 8270D
Aluminum		1570	200		ug/l	SW846 6010C
Antimony		6.1	6.0		ug/l	SW846 6010C
Calcium		61500	1000		ug/l	SW846 6010C
Chromium		34.1	10		ug/l	SW846 6010C
Copper		60.2	25		ug/l	SW846 6010C
Iron		2350	300		ug/l	SW846 6010C
Lead		88.1	5.0		ug/l	SW846 6010C
Magnesium		15100	5000		ug/l	SW846 6010C
Manganese		78.0	15		ug/l	SW846 6010C
Sodium		104000	20000		ug/l	SW846 6010C
Strontium		278	10		ug/l	SW846 6010C
Titanium		92.1	10		ug/l	SW846 6010C
Zinc		382	20		ug/l	SW846 6010C
FA12580-8	**DUP-3**					
Bromodichloromethane		2.5	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.44 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		1.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		2.4	1.0	0.36	ug/l	SW846 8260B
Benzoic Acid		12.2 J	48	9.5	ug/l	SW846 8270D
Phenol		0.78 J	4.8	0.48	ug/l	SW846 8270D
Butyl benzyl phthalate		1.1 J	4.8	0.77	ug/l	SW846 8270D
Benzyl Alcohol		2.1 J	4.8	0.95	ug/l	SW846 8270D
Di-n-butyl phthalate		1.1 J	4.8	0.95	ug/l	SW846 8270D
Di-n-octyl phthalate		1.0 J	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		2.2 J	4.8	1.5	ug/l	SW846 8270D
Aluminum		1160	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		203	200		ug/l	SW846 6010C
Calcium		50300	1000		ug/l	SW846 6010C
Chromium		32.1	10		ug/l	SW846 6010C
Copper		98.1	25		ug/l	SW846 6010C
Iron		1740	300		ug/l	SW846 6010C
Lead		69.2	5.0		ug/l	SW846 6010C
Magnesium		14900	5000		ug/l	SW846 6010C
Manganese		56.5	15		ug/l	SW846 6010C
Sodium		100000	20000		ug/l	SW846 6010C
Strontium		254	10		ug/l	SW846 6010C
Titanium		95.7	10		ug/l	SW846 6010C
Zinc		538	20		ug/l	SW846 6010C

(a) Dilution required due to matrix interference (internal standard failure).
(b) All hits confirmed by dual column analysis. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18382.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0676988.D	4	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	190	38	ug/l	
95-57-8	2-Chlorophenol	ND	19	2.0	ug/l	
	3&4-Methylphenol	ND	19	4.5	ug/l	
208-96-8	Acenaphthylene	ND	19	1.9	ug/l	
100-51-6	Benzyl Alcohol	5.7	19	3.8	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	19	6.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	19	2.0	ug/l	
91-20-3	Naphthalene	ND	19	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		14-67%
4165-62-2	Phenol-d5	28%		10-50%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	85%		42-108%
321-60-8	2-Fluorobiphenyl	83%		40-106%
1718-51-0	Terphenyl-d14	95%		39-121%

(a) Dilution required due to matrix interference (internal standard failure).

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM09924.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		38-127%
2051-24-3	Decachlorobiphenyl	67%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12580-1
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	313	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	6.7	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	31300	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	18.0	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	34.3	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	343	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	29.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	13900	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	< 15	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	103000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	208	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	212	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	69.8	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: FA12580-2
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18383.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12580-2	**Date Sampled:**	02/18/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.27	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12580-2	**Date Sampled:**	02/18/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 2
Lab Sample ID: FA12580-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677021.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	10.1	48	9.5	ug/l	J
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-51-6	Benzyl Alcohol	12.6	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.5	4.8	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	91%		33-118%
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12580-3	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364609.D	1	02/21/14	EM	02/19/14	OP50540	GTT1430
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		42-127%
2051-24-3	Decachlorobiphenyl	52%		27-127%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12580-3	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM09927.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		38-127%
2051-24-3	Decachlorobiphenyl	50%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 2
Lab Sample ID: FA12580-3
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	561	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	391	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	9.6	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	33900	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	33.0	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	45.9	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	714	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	77.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	14000	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	21.3	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	0.79	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	12100	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	105000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	225	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	440	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	143	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12580-4	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
100-51-6	Benzyl Alcohol	6.7	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	4.7	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	22%		10-50%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12580-4	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364610.D	1	02/21/14	EM	02/19/14	OP50540	GTT1430
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC [b]	0.0072	0.047	0.0047	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		42-127%
2051-24-3	Decachlorobiphenyl	34%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12580-4
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2220	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	6.8	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	659	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	23.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	50700	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	74.5	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	139	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	2620	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	118	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15100	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	82.1	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	0.96	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	10500	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	106000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	324	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	224	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	510	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12580-5	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677023.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-51-6	Benzyl Alcohol	26.9	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	4.7	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		14-67%
4165-62-2	Phenol-d5	29%		10-50%
118-79-6	2,4,6-Tribromophenol	97%		33-118%
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	81%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12580-5
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	976	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	1050	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	60500	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	108	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	73.4	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	2660	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	264	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15900	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	118	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	0.55	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	21500	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	189000	40000	ug/l	4	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	266	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	32.2	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	583	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18384.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677024.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	14.0	48	9.5	ug/l	J
95-57-8	2-Chlorophenol	ND	4.8	0.49	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.48	ug/l	
100-51-6	Benzyl Alcohol	1.7	4.8	0.95	ug/l	J
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.64	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	87%		33-118%
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM09930.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		38-127%
2051-24-3	Decachlorobiphenyl	68%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12580-6
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1260	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	255	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	50000	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	34.3	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	97.8	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	1970	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	68.4	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15300	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	55.3	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	101000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	258	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	103	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	525	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18385.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677025.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	55.0	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.8	4.7	1.5	ug/l	J
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	86%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364613.D	2	02/21/14	EM	02/19/14	OP50540	GTT1430
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.094	0.0094	ug/l	
319-86-8	delta-BHC	ND	0.094	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		42-127%
2051-24-3	Decachlorobiphenyl	27%		27-127%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12580-7
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1570	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	6.1	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	61500	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	34.1	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	60.2	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	2350	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	88.1	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15100	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	78.0	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	104000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	278	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	92.1	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	382	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP-3
Lab Sample ID: FA12580-8
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18386.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	2.5	1.0	0.26	ug/l	
75-25-2	Bromoform	0.44	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	2.4	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-3
Lab Sample ID: FA12580-8
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-3
Lab Sample ID: FA12580-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0676996.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	12.2	48	9.5	ug/l	J
95-57-8	2-Chlorophenol	ND	4.8	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.48	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.55	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	0.48	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.48	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.8	ug/l	
108-95-2	Phenol	0.78	4.8	0.48	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.8	0.93	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.53	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.48	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.48	ug/l	
62-53-3	Aniline	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.59	ug/l	
92-87-5	Benzidine	ND	24	4.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.68	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.77	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.49	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.64	ug/l	
85-68-7	Butyl benzyl phthalate	1.1	4.8	0.77	ug/l	J
100-51-6	Benzyl Alcohol	2.1	4.8	0.95	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.8	0.53	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.48	ug/l	
86-74-8	Carbazole	ND	4.8	0.59	ug/l	
218-01-9	Chrysene	ND	4.8	0.69	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-3
Lab Sample ID: FA12580-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.66	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.48	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.48	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.48	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.60	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.8	0.86	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	1.1	4.8	0.95	ug/l	J
117-84-0	Di-n-octyl phthalate	1.0	4.8	0.95	ug/l	J
84-66-2	Diethyl phthalate	ND	4.8	0.95	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.60	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	4.8	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.8	0.67	ug/l	
86-73-7	Fluorene	ND	4.8	0.48	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.63	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	0.95	ug/l	
67-72-1	Hexachloroethane	ND	4.8	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.60	ug/l	
78-59-1	Isophorone	ND	4.8	0.48	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.51	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.58	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.72	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.48	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.51	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.57	ug/l	
129-00-0	Pyrene	ND	4.8	0.78	ug/l	
110-86-1	Pyridine	ND	9.5	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.48	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-67%
4165-62-2	Phenol-d5	20%		10-50%
118-79-6	2,4,6-Tribromophenol	82%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-3
Lab Sample ID: FA12580-8
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1160	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	203	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	50300	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	32.1	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	98.1	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	1740	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	69.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	14900	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	56.5	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	100000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	254	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	95.7	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	538	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA12580

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 South Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isienvironmental.com
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	Di WATER	MEOH	Benzene / Naphthalene (8260B)	Benzoic Acid / 2-chlorophenol	3+4 Methylphenol	Acenaphthylene / Benzyl Alcohol	bis (2 ethylhexyl) phthalate	1-Methylnaphthalene	Naphthalene (8270D)	Aroclor 1260 (8082A)	Cadmium / Chromium	Iron / Lead / Potassium Sodium Strontium	Manganese / Mercury / Titanium	LAB USE ONLY
1	Bld B Rm 1	2-18-14	1100	BG	WW	8		X	X		X					X	X	X	X	X	X	X	X	X	X	X	
2	Trip Blank															X											

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14/1600	2 FP	3 FP 02-19-14	930	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 22, 26, 26, 24

4.1 4

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Benzoic Acid / 2-Nitrophenol / Benzyl Alcohol	bis (2-ethylhexyl) phthalate (8270D)	beta-BHC / delta-BHC (8081B)	Aroclor 1260 (8082A)	Antimony / Arsenic / Barium	Cadmium / Chromium / Iron	Lead / Manganese / Mercury	Potassium / Sodium / Strontium	Titanium			LAB USE ONLY
3	Bld B Rm 2	2-18-14	1045	BG	WW	5		X			X					X	X	X	X	X	X	X	X	X			

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14 / 1600	2 FP	3 FP 02-19-14	930	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: SI Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Strat Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	Container Information: OTHER	NONE	HCl	H2SO4	HNO3	NaOH/ZnAc	DI WATER	MEOH	Sb/Be/Cr Metals (1 set 4 Metals Listed)	Barium / Alkalinity	bis (2-Ethylhexyl) phthalate	beta-BHC / delta-BHC	Antimony / Arsenic / Barium	Cadmium / Chromium / Iron	Lead / Manganese	Mercury / Potassium	Selenium / Strontium	Titanium	LAB USE ONLY
4	Bld B Rm 4	2-18-14	1145	BG	WW	5		X			X				X	X	X	X	X	X	X	X	X	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code: 5-7 dy Rush

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	2-18-14/1600	2	3	0219-14 930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Graber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Graber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	Benzoic Acid (374 Methylphenol)	2-Methylphenol / Benzyl Alcohol	bis (2-Ethylhexyl) phthalate	Antimony / Arsenic / Barium	Cadmium / Chromium	Iron / Lead / Manganese	Potassium / Sodium	Strontium / Thallium
5	Bld B Rm 5	2-18-14	1155	BG	WW	3	X	X	X	X	X	X	X	X	X

Container Information: Other, None, HCl, HNO3, H2SO4, NaOH-ZnAc, DI Water, MeOH

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Graber	2-18-14/1600	2 RP	3 RP 02-19-14	930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Lamar
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stacy Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Naphthalene (8260B)	Benzoic Acid / 2-chlorophenol	3,4-Methylphenol / 2-Nitrophenol	Acenaphthylene	Benzyl Alcohol	1,3-Dichlorobenzene	Antimony / Arsenic / Cadmium	Chromium / Iron / Lead	Manganese / Mercury	Potassium / Selenium	Strontium / Thallium	LAB USE ONLY
6	Bld B Rm 6	2-18-14	1210	BG	WW	6		X		X				X	X	X	X	X	X	X	X	X	X	X	
	Trip Blank													X											

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	2-18-13 / 1600	2	3	02/19/14 930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

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www.accutest.com

Accutest JOB # FA12580

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZnAc	DI WATER	MEOH	Naphthalene (8260B)	Benzoic Acid (3+4 Methylphenol)	Acenaphthylene / Benzyl Alcohol	bis (2-Ethylhexyl) phthalate	Naphthalene (8270D)	beta-BHC / delta-BHC	2-4-D / Dichloroprop	Antimony / Arsenic / Cadmium	Chromium / Iron / Lead	Manganese / Potassium	Sodium / Strontium / Titanium	LAB USE ONLY
7	Bld B Rm 7	2-18-14	1245	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X	X	X	X	
	Trip Blank															X											

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14/1600	2 FP	3 FP 02-19-14	930	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12580: Chain of Custody
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FA12580

Accutest JOB #

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZnAc	Di WATER	MEOH	VOC's	SVOC's	Metals									LAB USE ONLY
8	Dup-3	2-18-14		BG	WW	6		X	X							X	X	X									
	Trip Blank															X											

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14 1600	2 TO	3 FX 02-19-14	930	02-19-14 RWilliams ACSV
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1

4

FA12580: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12580 CLIENT: ISI PROJECT: Clean Harbor

DATE/TIME RECEIVED: 02-19-14 930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 4

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 7225 / 9462 / 9484 / 9495

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM____ 5-GRAM____

NUMBER OF 5035 FIELD KITS ? ____

NUMBER OF LAB FILTERED METALS ? ____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 2.6 30 30 28
- [ ] CORRECTED TEMPS: 2.2 26, 26, 24

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [x] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Received 1 trip Blank only. ~~Received 1 Field Sample Dup-3 2-18-14 3 8260 vials 2 1000ml Ambers 8270, 1 1000ml Metals bottles Will Be Sample #~~ 8

TECHNICIAN SIGNATURE/DATE RWill 02-19-14 REVIEWER SIGNATURE/DATE [signature] 02/19/14

NF 12/10

receipt confirmation 122910.xls

4.1

4

FA12580: Chain of Custody
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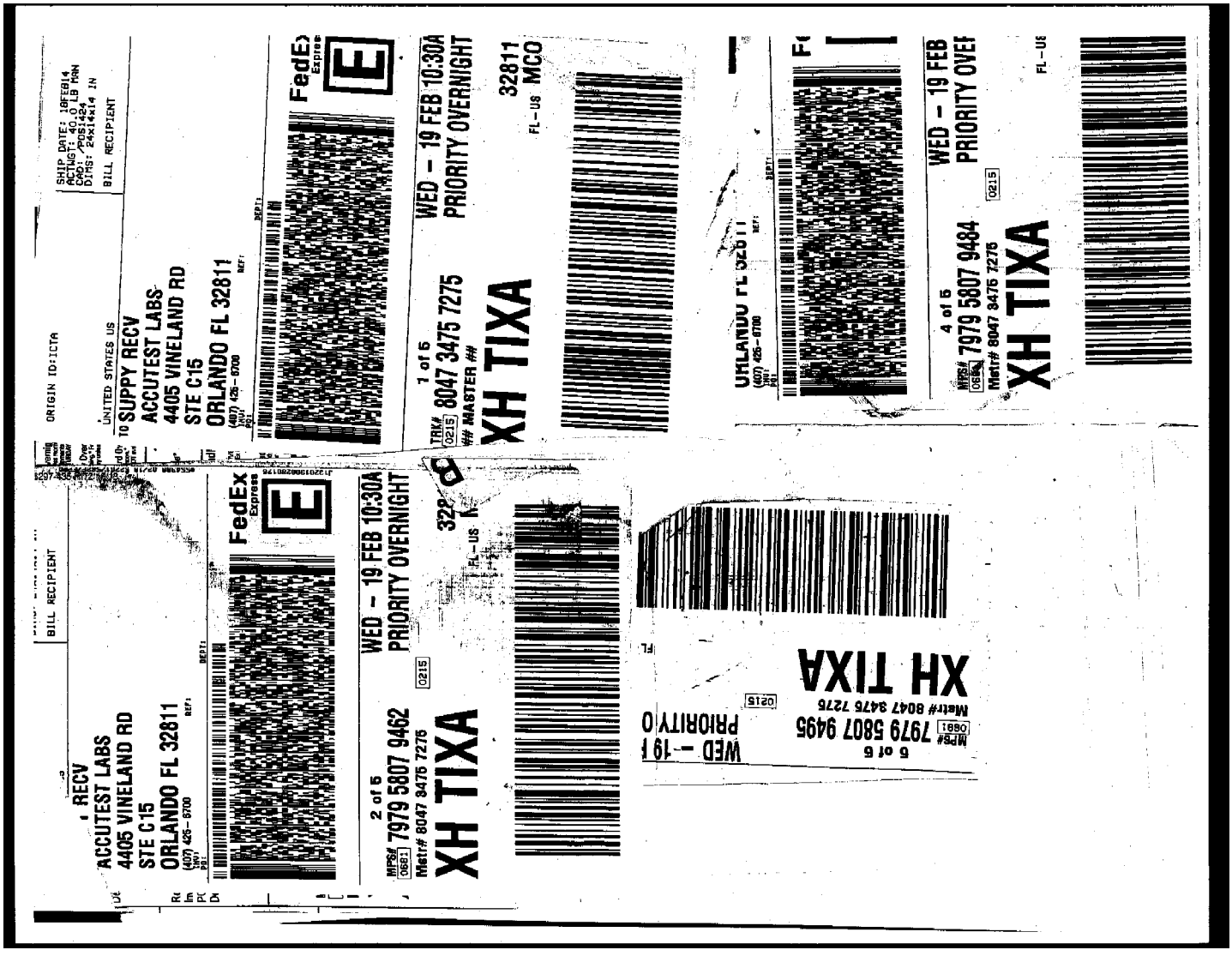
FA12580



FA12580: Chain of Custody

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Job Change Order: FA12580_2/27/2014

Requested Date:	2/28/2014	**Received Date:**	2/19/2014
Account Name:	ISI Environmental Services	**Due Date:**	2/26/2014
Project	Clean Harbors; Wichita,KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #: FA12580-1	**Change:**	Please remove 8151, 8081 methods were not requested per COC. Thank you.
BLD B RM 1		
Sample #: FA12580-3	**Change:**	Please remove 8260, 8151 methods were not requested per COC. Thank you.
BLD B RM 2		
Sample #: FA12580-4	**Change:**	Please remove 8260, 8082, 8151 methods were not requested per COC. Thank you.
BLD B RM 4		
Sample #: FA12580-5	**Change:**	Please remove 8260, 8082, 8151, 8081 methods were not requested per COC. Thank you.
BLD B RM 5		
Sample #: FA12580-6	**Change:**	Please remove 8151, 8081, 8082 methods were not requested per COC. Thank you.
BLD B RM 6		
Sample #: FA12580-7	**Change:**	Please remove 8082 method not requested per COC. Client will provide additional volume for 8151. Thank you.
BLD B RM 7		

Above Changes Per: Client **Date:** 2/28/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

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FA12580: Chain of Custody
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Job Change Order: FA12580_3/17/2014

Requested Date:	3/17/2014	**Received Date:**	2/19/2014
Account Name:	ISI Environmental Services	**Due Date:**	3/7/2014
Project	Clean Harbors; Wichita, KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #:
FA12580-7

Change: Please remove 8151per request of client, sample will not be recollected at this tme. Thank you.

BLD B RM 7

Above Changes Per: Client, Brady Gerber, via e-mail **Date:** 3/17/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

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FA12580: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-MB	I18365.D	1	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-MB	I18365.D	1	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-MB	I18365.D	1	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-BS	I18364.D	1	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	83.1	66	50-147
107-02-8	Acrolein	125	90.5	72	31-154
107-13-1	Acrylonitrile	125	129	103	58-126
71-43-2	Benzene	25	25.6	102	81-122
108-86-1	Bromobenzene	25	23.9	96	80-121
74-97-5	Bromochloromethane	25	22.2	89	76-123
75-27-4	Bromodichloromethane	25	25.1	100	79-123
75-25-2	Bromoform	25	22.7	91	66-123
104-51-8	n-Butylbenzene	25	25.6	102	79-126
135-98-8	sec-Butylbenzene	25	29.0	116	83-133
98-06-6	tert-Butylbenzene	25	26.8	107	80-133
108-90-7	Chlorobenzene	25	25.5	102	82-124
75-00-3	Chloroethane	25	25.7	103	62-144
67-66-3	Chloroform	25	23.9	96	80-124
95-49-8	o-Chlorotoluene	25	25.7	103	81-127
106-43-4	p-Chlorotoluene	25	26.5	106	83-130
110-75-8	2-Chloroethyl vinyl ether	125	193	154*	56-122
75-15-0	Carbon disulfide	25	21.5	86	66-148
56-23-5	Carbon tetrachloride	25	26.7	107	76-136
75-34-3	1,1-Dichloroethane	25	27.0	108	81-122
75-35-4	1,1-Dichloroethylene	25	25.6	102	78-137
563-58-6	1,1-Dichloropropene	25	28.3	113	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.9	104	64-123
106-93-4	1,2-Dibromoethane	25	23.0	92	75-120
107-06-2	1,2-Dichloroethane	25	23.6	94	75-125
78-87-5	1,2-Dichloropropane	25	26.9	108	76-124
142-28-9	1,3-Dichloropropane	25	24.4	98	80-118
594-20-7	2,2-Dichloropropane	25	27.5	110	74-139
124-48-1	Dibromochloromethane	25	24.8	99	78-122
75-71-8	Dichlorodifluoromethane	25	34.9	140	42-167
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	75-118
541-73-1	m-Dichlorobenzene	25	27.0	108	84-125
95-50-1	o-Dichlorobenzene	25	26.0	104	82-124
106-46-7	p-Dichlorobenzene	25	24.3	97	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.5	106	76-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-BS	I18364.D	1	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	80-120
100-41-4	Ethylbenzene	25	24.7	99	81-121
591-78-6	2-Hexanone	125	117	94	61-129
87-68-3	Hexachlorobutadiene	25	30.7	123	75-142
98-82-8	Isopropylbenzene	25	28.1	112	83-132
99-87-6	p-Isopropyltoluene	25	28.1	112	79-130
108-10-1	4-Methyl-2-pentanone	125	128	102	66-122
74-83-9	Methyl bromide	25	27.5	110	59-143
74-87-3	Methyl chloride	25	36.6	146	50-159
74-95-3	Methylene bromide	25	22.6	90	78-119
75-09-2	Methylene chloride	25	25.5	102	69-135
78-93-3	Methyl ethyl ketone	125	104	83	56-143
1634-04-4	Methyl Tert Butyl Ether	25	21.1	84	72-117
91-20-3	Naphthalene	25	25.4	102	63-132
103-65-1	n-Propylbenzene	25	28.0	112	82-133
100-42-5	Styrene	25	23.9	96	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	77-122
71-55-6	1,1,1-Trichloroethane	25	25.7	103	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	72-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.9	112	68-131
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-120
120-82-1	1,2,4-Trichlorobenzene	25	27.3	109	73-129
95-63-6	1,2,4-Trimethylbenzene	25	24.6	98	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.9	96	79-120
127-18-4	Tetrachloroethylene	25	25.6	102	76-135
108-88-3	Toluene	25	24.7	99	80-120
79-01-6	Trichloroethylene	25	24.7	99	81-126
75-69-4	Trichlorofluoromethane	25	26.0	104	71-156
75-01-4	Vinyl chloride	25	30.2	121	69-159
108-05-4	Vinyl Acetate	125	225	180*	43-154
	m,p-Xylene	50	51.6	103	79-126
95-47-6	o-Xylene	25	26.3	105	80-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-BS	I18364.D	1	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12414-1MS	I18387.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1MSD	I18388.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1	I18366.D	250	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12414-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	6300	U	31300	18300	59	19100	61	4	50-147/21
107-02-8	Acrolein	5000	U	31300	40700	130	37700	121	8	31-154/29
107-13-1	Acrylonitrile	2500	U	31300	32700	105	33600	108	3	58-126/16
71-43-2	Benzene	250	U	6250	6490	104	6240	100	4	81-122/14
108-86-1	Bromobenzene	250	U	6250	5680	91	5700	91	0	80-121/14
74-97-5	Bromochloromethane	250	U	6250	5570	89	5360	86	4	76-123/14
75-27-4	Bromodichloromethane	250	U	6250	6100	98	6140	98	1	79-123/19
75-25-2	Bromoform	250	U	6250	5270	84	5450	87	3	66-123/21
104-51-8	n-Butylbenzene	250	U	6250	6220	100	6120	98	2	79-126/16
135-98-8	sec-Butylbenzene	250	U	6250	7000	112	6920	111	1	83-133/16
98-06-6	tert-Butylbenzene	250	U	6250	6440	103	6400	102	1	80-133/16
108-90-7	Chlorobenzene	250	U	6250	6430	103	6340	101	1	82-124/14
75-00-3	Chloroethane	500	U	6250	5940	95	6220	100	5	62-144/20
67-66-3	Chloroform	250	U	6250	6210	99	5950	95	4	80-124/15
95-49-8	o-Chlorotoluene	250	U	6250	6350	102	6250	100	2	81-127/15
106-43-4	p-Chlorotoluene	250	U	6250	6510	104	6480	104	0	83-130/15
110-75-8	2-Chloroethyl vinyl ether	1300	U	31300	39900	128*	40600	130*	2	56-122/23
75-15-0	Carbon disulfide	500	U	6250	5320	85	5040	81	5	66-148/23
56-23-5	Carbon tetrachloride	250	U	6250	6590	105	6260	100	5	76-136/23
75-34-3	1,1-Dichloroethane	250	U	6250	6930	111	6740	108	3	81-122/15
75-35-4	1,1-Dichloroethylene	250	U	6250	6330	101	6200	99	2	78-137/18
563-58-6	1,1-Dichloropropene	250	U	6250	6920	111	6650	106	4	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	500	U	6250	5690	91	5810	93	2	64-123/18
106-93-4	1,2-Dibromoethane	250	U	6250	5410	87	5620	90	4	75-120/13
107-06-2	1,2-Dichloroethane	250	U	6250	5900	94	5910	95	0	75-125/14
78-87-5	1,2-Dichloropropane	250	U	6250	6680	107	6700	107	0	76-124/14
142-28-9	1,3-Dichloropropane	250	U	6250	5920	95	5890	94	1	80-118/13
594-20-7	2,2-Dichloropropane	250	U	6250	5910	95	5890	94	0	74-139/17
124-48-1	Dibromochloromethane	250	U	6250	5880	94	5970	96	2	78-122/19
75-71-8	Dichlorodifluoromethane	500	U	6250	8050	129	8220	132	2	42-167/19
156-59-2	cis-1,2-Dichloroethylene	2350		6250	8310	95	8190	93	1	78-120/15
10061-01-5	cis-1,3-Dichloropropene	250	U	6250	6020	96	5990	96	0	75-118/23
541-73-1	m-Dichlorobenzene	250	U	6250	6460	103	6540	105	1	84-125/14
95-50-1	o-Dichlorobenzene	250	U	6250	6360	102	6380	102	0	82-124/14
106-46-7	p-Dichlorobenzene	250	U	6250	5950	95	5930	95	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	492		6250	7140	106	6870	102	4	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12414-1MS	I18387.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1MSD	I18388.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1	I18366.D	250	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12414-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	250 U		6250	6350	102	6410	103	1	80-120/22
100-41-4	Ethylbenzene	250 U		6250	6300	101	6090	97	3	81-121/14
591-78-6	2-Hexanone	2500 U		31300	27400	88	28800	92	5	61-129/18
87-68-3	Hexachlorobutadiene	500 U		6250	6540	105	6820	109	4	75-142/19
98-82-8	Isopropylbenzene	250 U		6250	6920	111	6830	109	1	83-132/15
99-87-6	p-Isopropyltoluene	250 U		6250	6730	108	6680	107	1	79-130/16
108-10-1	4-Methyl-2-pentanone	1300 U		31300	30900	99	32000	102	3	66-122/16
74-83-9	Methyl bromide	500 U		6250	6680	107	6810	109	2	59-143/19
74-87-3	Methyl chloride	500 U		6250	9080	145	9250	148	2	50-159/19
74-95-3	Methylene bromide	500 U		6250	5560	89	5460	87	2	78-119/14
75-09-2	Methylene chloride	515	I	6250	7130	106	7060	105	1	69-135/16
78-93-3	Methyl ethyl ketone	1300 U		31300	23800	76	25200	81	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	250 U		6250	4910	79	5070	81	3	72-117/14
91-20-3	Naphthalene	1300 U		6250	5440	87	5750	92	6	63-132/25
103-65-1	n-Propylbenzene	250 U		6250	6870	110	6690	107	3	82-133/15
100-42-5	Styrene	250 U		6250	6040	97	6050	97	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	250 U		6250	6240	100	6300	101	1	77-122/19
71-55-6	1,1,1-Trichloroethane	250 U		6250	6460	103	6250	100	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	250 U		6250	5790	93	5950	95	3	72-120/14
79-00-5	1,1,2-Trichloroethane	250 U		6250	5950	95	6060	97	2	76-119/14
87-61-6	1,2,3-Trichlorobenzene	250 U		6250	6040	97	6430	103	6	68-131/25
96-18-4	1,2,3-Trichloropropane	500 U		6250	5250	84	5340	85	2	77-120/16
120-82-1	1,2,4-Trichlorobenzene	250 U		6250	5990	96	6100	98	2	73-129/20
95-63-6	1,2,4-Trimethylbenzene	500 U		6250	6000	96	5900	94	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	500 U		6250	5760	92	5690	91	1	79-120/19
127-18-4	Tetrachloroethylene	250 U		6250	6000	96	5910	95	2	76-135/16
108-88-3	Toluene	250 U		6250	6110	98	6020	96	1	80-120/14
79-01-6	Trichloroethylene	250 U		6250	6150	98	6040	97	2	81-126/15
75-69-4	Trichlorofluoromethane	500 U		6250	6330	101	6340	101	0	71-156/21
75-01-4	Vinyl chloride	10900		6250	16700	93	18000	114	7	69-159/18
108-05-4	Vinyl Acetate	2500 U		31300	58500	187*	58400	187*	0	43-154/14
	m,p-Xylene	500 U		12500	12800	102	12500	100	2	79-126/15
95-47-6	o-Xylene	250 U		6250	6530	104	6410	103	2	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12414-1MS	I18387.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1MSD	I18388.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1	I18366.D	250	02/24/14	WV	n/a	n/a	VI310

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12414-1	Limits
1868-53-7	Dibromofluoromethane	103%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	101%	100%	79-125%
2037-26-5	Toluene-D8	95%	95%	98%	85-112%
460-00-4	4-Bromofluorobenzene	92%	94%	100%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	14-67%
4165-62-2	Phenol-d5	36%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	22.0	22	10-69
95-57-8	2-Chlorophenol	50	35.4	71	52-98
59-50-7	4-Chloro-3-methyl phenol	50	35.7	71	54-103
120-83-2	2,4-Dichlorophenol	50	35.6	71	53-103
105-67-9	2,4-Dimethylphenol	50	32.0	64	43-90
51-28-5	2,4-Dinitrophenol	100	83.6	84	44-112
534-52-1	4,6-Dinitro-o-cresol	100	99.9	100	66-121
95-48-7	2-Methylphenol	50	34.4	69	43-90
	3&4-Methylphenol	100	63.9	64	36-88
88-75-5	2-Nitrophenol	50	36.0	72	53-102
100-02-7	4-Nitrophenol	100	38.1	38	18-62
87-86-5	Pentachlorophenol	100	95.2	95	61-115
108-95-2	Phenol	50	20.4	41	19-56
95-95-4	2,4,5-Trichlorophenol	50	41.4	83	62-109
88-06-2	2,4,6-Trichlorophenol	50	42.9	86	59-107
83-32-9	Acenaphthene	50	40.3	81	61-107
208-96-8	Acenaphthylene	50	40.7	81	60-104
62-53-3	Aniline	50	34.9	70	47-100
120-12-7	Anthracene	50	41.2	82	65-108
92-87-5	Benzidine	50	29.8	60	25-99
56-55-3	Benzo(a)anthracene	50	41.4	83	66-111
50-32-8	Benzo(a)pyrene	50	39.7	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.5	83	65-114
191-24-2	Benzo(g,h,i)perylene	50	41.0	82	66-116
207-08-9	Benzo(k)fluoranthene	50	38.7	77	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.8	70	65-109
85-68-7	Butyl benzyl phthalate	50	42.4	85	65-112
100-51-6	Benzyl Alcohol	50	40.2	80	46-94
91-58-7	2-Chloronaphthalene	50	38.7	77	57-103
106-47-8	4-Chloroaniline	50	35.3	71	49-105
86-74-8	Carbazole	50	42.0	84	59-113
218-01-9	Chrysene	50	44.1	88	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	36.4	73	51-102
111-44-4	bis(2-Chloroethyl)ether	50	37.2	74	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	38.4	77	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.8	76	62-105

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
122-66-7	1,2-Diphenylhydrazine	50	40.7	81	61-110
541-73-1	1,3-Dichlorobenzene	50	33.1	66	45-95
106-46-7	1,4-Dichlorobenzene	50	35.5	71	45-98
121-14-2	2,4-Dinitrotoluene	50	40.7	81	61-110
606-20-2	2,6-Dinitrotoluene	50	39.1	78	63-108
91-94-1	3,3'-Dichlorobenzidine	50	38.9	78	46-117
53-70-3	Dibenzo(a,h)anthracene	50	40.4	81	66-119
132-64-9	Dibenzofuran	50	40.3	81	61-106
84-74-2	Di-n-butyl phthalate	50	41.2	82	65-107
117-84-0	Di-n-octyl phthalate	50	39.9	80	62-118
84-66-2	Diethyl phthalate	50	38.9	78	64-108
131-11-3	Dimethyl phthalate	50	40.5	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.6	85	61-117
206-44-0	Fluoranthene	50	40.6	81	63-106
86-73-7	Fluorene	50	40.9	82	62-108
118-74-1	Hexachlorobenzene	50	40.8	82	63-108
87-68-3	Hexachlorobutadiene	50	31.5	63	42-102
77-47-4	Hexachlorocyclopentadiene	50	26.8	54	39-102
67-72-1	Hexachloroethane	50	31.8	64	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.4	81	64-119
78-59-1	Isophorone	50	35.3	71	43-87
90-12-0	1-Methylnaphthalene	50	34.8	70	53-102
91-57-6	2-Methylnaphthalene	50	34.9	70	51-102
88-74-4	2-Nitroaniline	50	42.4	85	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.0	82	55-120
91-20-3	Naphthalene	50	33.8	68	47-100
98-95-3	Nitrobenzene	50	34.6	69	50-104
62-75-9	N-Nitrosodimethylamine	50	26.0	52	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	38.7	77	52-104
86-30-6	N-Nitrosodiphenylamine	50	41.7	83	64-108
85-01-8	Phenanthrene	50	42.1	84	66-110
129-00-0	Pyrene	50	39.8	80	64-113
110-86-1	Pyridine	50	24.8	50	23-74
120-82-1	1,2,4-Trichlorobenzene	50	31.6	63	45-97

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	14-67%
4165-62-2	Phenol-d5	38%	10-50%
118-79-6	2,4,6-Tribromophenol	91%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		190	89.1	47	82.2	43	8	10-69/39
95-57-8	2-Chlorophenol	ND		95.2	56.6	59	54.1	57	5	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		95.2	68.4	72	67.0	70	2	54-103/23
120-83-2	2,4-Dichlorophenol	ND		95.2	58.2	61	59.3	62	2	53-103/26
105-67-9	2,4-Dimethylphenol	ND		95.2	56.1	59	57.2	60	2	43-90/27
51-28-5	2,4-Dinitrophenol	ND		190	151	79	142	75	6	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		190	171	90	163	86	5	66-121/23
95-48-7	2-Methylphenol	ND		95.2	56.2	59	54.9	58	2	43-90/28
	3&4-Methylphenol	ND		190	110	58	105	55	5	36-88/28
88-75-5	2-Nitrophenol	ND		95.2	59.1	62	59.7	63	1	53-102/29
100-02-7	4-Nitrophenol	ND		190	93.0	49	86.2	45	8	18-62/33
87-86-5	Pentachlorophenol	ND		190	179	94	161	85	11	61-115/26
108-95-2	Phenol	2.7	J	95.2	43.2	43	40.4	40	7	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		95.2	70.9	74	71.7	75	1	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		95.2	71.3	75	66.7	70	7	59-107/23
83-32-9	Acenaphthene	ND		95.2	69.2	73	69.9	73	1	61-107/22
208-96-8	Acenaphthylene	ND		95.2	68.6	72	67.7	71	1	60-104/22
62-53-3	Aniline	ND		95.2	42.6	45*	44.5	47	4	47-100/30
120-12-7	Anthracene	ND		95.2	72.9	77	71.3	75	2	65-108/20
92-87-5	Benzidine	ND		95.2	ND	0*	ND	0*	nc	25-99/31
56-55-3	Benzo(a)anthracene	ND		95.2	73.8	77	67.8	71	8	66-111/22
50-32-8	Benzo(a)pyrene	ND		95.2	70.0	74	66.8	70	5	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		95.2	70.8	74	69.9	73	1	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		95.2	80.4	84	75.7	79	6	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		95.2	74.3	78	67.8	71	9	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		95.2	60.6	64*	58.6	62*	3	65-109/23
85-68-7	Butyl benzyl phthalate	ND		95.2	74.6	78	71.2	75	5	65-112/24
100-51-6	Benzyl Alcohol	6.7		95.2	79.1	76	76.4	73	3	46-94/27
91-58-7	2-Chloronaphthalene	ND		95.2	64.0	67	62.7	66	2	57-103/23
106-47-8	4-Chloroaniline	ND		95.2	51.8	54	55.0	58	6	49-105/27
86-74-8	Carbazole	ND		95.2	76.3	80	72.9	77	5	59-113/21
218-01-9	Chrysene	ND		95.2	80.5	85	74.5	78	8	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		95.2	58.1	61	62.8	66	8	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		95.2	56.7	60	57.0	60	1	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		95.2	61.3	64	57.8	61	6	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		95.2	68.2	72	64.7	68	5	62-105/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		95.2	55.5	58	52.3	55	6	48-97/24
122-66-7	1,2-Diphenylhydrazine	ND		95.2	72.8	76	71.4	75	2	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		95.2	52.9	56	52.6	55	1	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		95.2	56.5	59	54.7	57	3	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		95.2	74.3	78	70.0	74	6	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		95.2	70.4	74	69.6	73	1	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		95.2	24.9	26*	27.1	28*	8	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		95.2	79.3	83	74.4	78	6	66-119/24
132-64-9	Dibenzofuran	ND		95.2	70.7	74	69.4	73	2	61-106/21
84-74-2	Di-n-butyl phthalate	5.6		95.2	77.7	76	73.2	71	6	65-107/21
117-84-0	Di-n-octyl phthalate	3.1	J	95.2	74.0	74	68.1	68	8	62-118/24
84-66-2	Diethyl phthalate	ND		95.2	70.6	74	68.1	72	4	64-108/21
131-11-3	Dimethyl phthalate	ND		95.2	70.8	74	69.4	73	2	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	J	95.2	86.1	87	79.9	81	7	61-117/23
206-44-0	Fluoranthene	ND		95.2	67.0	70	63.7	67	5	63-106/21
86-73-7	Fluorene	ND		95.2	75.1	79	70.4	74	6	62-108/20
118-74-1	Hexachlorobenzene	ND		95.2	73.2	77	70.5	74	4	63-108/22
87-68-3	Hexachlorobutadiene	ND		95.2	54.0	57	58.4	61	8	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		95.2	46.8	49	45.9	48	2	39-102/29
67-72-1	Hexachloroethane	ND		95.2	51.7	54	53.2	56	3	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		95.2	73.0	77	71.5	75	2	64-119/24
78-59-1	Isophorone	ND		95.2	59.6	63	60.7	64	2	43-87/25
90-12-0	1-Methylnaphthalene	ND		95.2	59.3	62	60.2	63	2	53-102/27
91-57-6	2-Methylnaphthalene	ND		95.2	61.3	64	61.5	65	0	51-102/26
88-74-4	2-Nitroaniline	ND		95.2	79.9	84	76.3	80	5	54-128/24
99-09-2	3-Nitroaniline	ND		95.2	71.0	75	66.9	70	6	56-106/27
100-01-6	4-Nitroaniline	ND		95.2	70.8	74	65.8	69	7	55-120/24
91-20-3	Naphthalene	ND		95.2	58.9	62	60.7	64	3	47-100/29
98-95-3	Nitrobenzene	ND		95.2	57.8	61	57.6	60	0	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		95.2	51.0	54	49.9	52	2	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		95.2	63.1	66	59.5	62	6	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		95.2	68.8	72	65.6	69	5	64-108/23
85-01-8	Phenanthrene	ND		95.2	75.3	79	73.9	78	2	66-110/21
129-00-0	Pyrene	ND		95.2	79.0	83	71.8	75	10	64-113/23
110-86-1	Pyridine	ND		95.2	46.9	49	47.6	50	1	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		95.2	53.7	56	53.9	57	0	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-4	Limits
367-12-4	2-Fluorophenol	48%	45%	32%	14-67%
4165-62-2	Phenol-d5	40%	38%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	83%	79%	33-118%
4165-60-0	Nitrobenzene-d5	63%	63%	64%	42-108%
321-60-8	2-Fluorobiphenyl	67%	67%	72%	40-106%
1718-51-0	Terphenyl-d14	92%	84%	70%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-MB	TT364570.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	94%	42-127%
2051-24-3	Decachlorobiphenyl	103%	27-127%

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50541-MB	MM09923.D	1	02/20/14	MV	02/19/14	OP50541	GMM218

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12580-1, FA12580-3, FA12580-6

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	92%	38-127%
2051-24-3	Decachlorobiphenyl	104%	25-137%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-BS	TT364569.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
319-85-7	beta-BHC	0.5	0.60	120	66-132
319-86-8	delta-BHC	0.5	0.64	128	41-142

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	42-127%
2051-24-3	Decachlorobiphenyl	99%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-BS	TT364608.D	1	02/21/14	EM	02/19/14	OP50540	GTT1430

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
319-85-7	beta-BHC	0.5	0.52	104	66-132
319-86-8	delta-BHC	0.5	0.53	106	41-142

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	102%	42-127%
2051-24-3	Decachlorobiphenyl	102%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50541-BS	MM09922.D	1	02/20/14	MV	02/19/14	OP50541	GMM218

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12580-1, FA12580-3, FA12580-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
11096-82-5	Aroclor 1260	4	3.8	95	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	84%	38-127%
2051-24-3	Decachlorobiphenyl	97%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-MS	TT364572.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429
OP50540-MSD	TT364573.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429
FA12566-1	TT364571.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	FA12566-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
319-85-7	beta-BHC	0.048	U	0.962	1.1	114	1.1	114	0	66-132/23
319-86-8	delta-BHC	0.048	U	0.962	1.3	135	1.3	135	0	41-142/27

CAS No.	Surrogate Recoveries	MS	MSD	FA12566-1	Limits
877-09-8	Tetrachloro-m-xylene	85%	80%	74%	42-127%
2051-24-3	Decachlorobiphenyl	99%	96%	91%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50541-MS	MM09925.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
OP50541-MSD	MM09926.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
FA12580-1	MM09924.D	1	02/20/14	MV	02/19/14	OP50541	GMM218

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12580-1, FA12580-3, FA12580-6

CAS No.	Compound	FA12580-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
11096-82-5	Aroclor 1260	ND		7.55	7.6	101	7.9	105	4	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-1	Limits
877-09-8	Tetrachloro-m-xylene	88%	91%	89%	38-127%
2051-24-3	Decachlorobiphenyl	90%	92%	67%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.012	<0.50

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14 02/20/14

Metal	FA12580-1 Original	DUP	RPD	QC Limits	FA12580-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.28	0.27	3.6	0-20	0.28	3.2	3	97.3	80-120

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	FA12580-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.28	3.3	3	100.7	3.1	20

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.9	3	96.7	80-120

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	FA12580-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.284	0.00	100.0(a)	0-10

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	7.9	<200
Antimony	6.0	2	2.3	0.10	<6.0
Arsenic	10	2	2.4	-0.60	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5	0.0	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	3.7	<1000
Chromium	10	1	2	0.0	<10
Cobalt	50	.5	.5	-0.20	<50
Copper	25	1	1	-0.60	<25
Iron	300	17	17	2.1	<300
Lead	5.0	1.1	1.1	0.0	<5.0
Magnesium	5000	50	56	2.3	<5000
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5	0.0	<50
Nickel	40	.5	.5	-0.20	<40
Potassium	10000	200	200	-17	<10000
Selenium	10	2.3	2.3	1.6	<10
Silver	10	.65	.77	-0.40	<10
Sodium	10000	500	500	39.3	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-1.0	<10
Tin	50	.7	1	-0.10	<50
Titanium	10	.9	1	-0.10	<10
Vanadium	50	.5	.5	-0.20	<50
Zinc	20	3	3	1.8	<20

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/20/14					02/20/14	
Metal	FA12569-1 Original	DUP	RPD	QC Limits	FA12569-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	59900	68100	12.8	0-20	59900	74200	27000	53.0N(b)	80-120
Antimony	0.0	0.0	NC	0-20	0.0	396	500	79.2N(b)	80-120
Arsenic	96.0	115	18.0	0-20	96.0	1930	2000	91.7	80-120
Barium	168	177	5.2	0-20	168	2100	2000	96.6	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	51.1	50	102.2	80-120
Cadmium	0.0	5.0	200.0(a)	0-20	0.0	50.8	50	101.6	80-120
Calcium	5680	5530	2.7	0-20	5680	30000	25000	97.3	80-120
Chromium	103	124	18.5	0-20	103	275	200	86.0	80-120
Cobalt	60.5	75.9	22.6 (a)	0-20	60.5	522	500	92.3	80-120
Copper	10.7	12.0	11.5	0-20	10.7	244	250	93.3	80-120
Iron	32700	39500	18.8	0-20	32700	48800	26000	61.9N(b)	80-120
Lead	24.4	30.4	21.9 (a)	0-20	24.4	512	500	97.5	80-120
Magnesium	2820	2740	2.9	0-20	2820	26700	25000	95.5	80-120
Manganese	13000	12500	3.9	0-20	13000	13000	500	0.0 (c)	80-120
Molybdenum	8.6	12.6	37.7 (a)	0-20	8.6	451	500	88.5	80-120
Nickel	86.7	106	20.0	0-20	86.7	556	500	93.9	80-120
Potassium	3400	3380	0.6	0-20	3400	27100	25000	94.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1830	2000	91.5	80-120
Silver	0.0	0.0	NC	0-20	0.0	39.7	50	79.4N(b)	80-120
Sodium	45700	43400	5.2	0-20	45700	67700	25000	88.0	80-120
Strontium	121	135	10.9	0-20	121	590	500	93.8	80-120
Thallium	0.0	0.0	NC	0-20	0.0	1970	2000	98.5	80-120
Tin	0.0	0.0	NC	0-20	0.0	377	500	75.4N(b)	80-120
Titanium	108	122	12.2	0-20	108	527	500	83.8	80-120
Vanadium	129	146	12.4	0-20	129	561	500	86.4	80-120
Zinc	141	178	23.2 (a)	0-20	141	594	500	90.6	80-120

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike recovery indicates possible matrix interference.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	FA12569-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	59900	98500	27000	143.0N(a	28.1 (b)	20
Antimony	0.0	343	500	68.6N(a)	14.3	20
Arsenic	96.0	1900	2000	90.2	1.6	20
Barium	168	2030	2000	93.1	3.4	20
Beryllium	0.0	49.9	50	99.8	2.4	20
Cadmium	0.0	50.7	50	101.4	0.2	20
Calcium	5680	28300	25000	90.5	5.8	20
Chromium	103	319	200	108.0	14.8	20
Cobalt	60.5	537	500	95.3	2.8	20
Copper	10.7	238	250	90.9	2.5	20
Iron	32700	64800	26000	123.5N(a	28.2 (c)	20
Lead	24.4	534	500	101.9	4.2	20
Magnesium	2820	25600	25000	91.1	4.2	20
Manganese	13000	12400	500	-120.0(d	4.7	20
Molybdenum	8.6	439	500	86.1	2.7	20
Nickel	86.7	577	500	98.1	3.7	20
Potassium	3400	26400	25000	92.0	2.6	20
Selenium	0.0	1760	2000	88.0	3.9	20
Silver	0.0	36.4	50	72.8N(a)	8.7	20
Sodium	45700	64100	25000	73.6N(a)	5.5	20
Strontium	121	618	500	99.4	4.6	20
Thallium	0.0	1970	2000	98.5	0.0	20
Tin	0.0	353	500	70.6N(a)	6.6	20
Titanium	108	631	500	104.6	18.0	20
Vanadium	129	594	500	93.0	5.7	20
Zinc	141	640	500	99.8	7.5	20

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.
(b) High RPD indicates possible matrix interference.
(c) High RPD due to possible sample non-homogeneity.
(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27600	27000	102.2	80-120
Antimony	515	500	103.0	80-120
Arsenic	2010	2000	100.5	80-120
Barium	2130	2000	106.5	80-120
Beryllium	50.8	50	101.6	80-120
Cadmium	52.6	50	105.2	80-120
Calcium	26100	25000	104.4	80-120
Chromium	214	200	107.0	80-120
Cobalt	530	500	106.0	80-120
Copper	258	250	103.2	80-120
Iron	26200	26000	100.8	80-120
Lead	509	500	101.8	80-120
Magnesium	24700	25000	98.8	80-120
Manganese	518	500	103.6	80-120
Molybdenum	501	500	100.2	80-120
Nickel	529	500	105.8	80-120
Potassium	25000	25000	100.0	80-120
Selenium	2020	2000	101.0	80-120
Silver	47.4	50	94.8	80-120
Sodium	25400	25000	101.6	80-120
Strontium	498	500	99.6	80-120
Thallium	2040	2000	102.0	80-120
Tin	540	500	108.0	80-120
Titanium	517	500	103.4	80-120
Vanadium	511	500	102.2	80-120
Zinc	528	500	105.6	80-120

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	FA12569-1 Original	SDL 10	%DIF	QC Limits
Aluminum	59900	70400	17.4*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	96.0	0.00	100.0(b)	0-10
Barium	168	187	11.7 (b)	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	5680	7860	38.2 (b)	0-10
Chromium	103	124	20.9 (b)	0-10
Cobalt	60.5	55.8	7.8	0-10
Copper	10.7	0.00	100.0(b)	0-10
Iron	32700	34300	4.8	0-10
Lead	24.4	0.00	100.0(b)	0-10
Magnesium	2820	3520	25.0 (b)	0-10
Manganese	13000	13300	2.3	0-10
Molybdenum	8.60	0.00	100.0(b)	0-10
Nickel	86.7	92.1	6.2	0-10
Potassium	3400	0.00	100.0(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	45700	43000	5.9	0-10
Strontium	121	133	9.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	0.00	0.00	NC	0-10
Titanium	108	403	272.7(b)	0-10
Vanadium	129	135	5.3	0-10
Zinc	141	154	9.5	0-10

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	Sample ml	Final ml	FA12569-1 Raw	FA12569-1 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	59940	58741.2	70010	0.2	125	2500	450.8*(a	80-120
Antimony	9.8	10			105.8	0.2	5	100	105.8	80-120
Arsenic	9.8	10	96	94.08	197.3	0.2	5	100	103.2	80-120
Barium	9.8	10	167.5	164.15	440.2	0.2	12.5	250	110.4	80-120
Beryllium	9.8	10			57.2	0.2	2.5	50	114.4	80-120
Cadmium	9.8	10			57.3	0.2	2.5	50	114.6	80-120
Calcium	9.8	10	5684	5570.32	10760	0.2	250	5000	103.8	80-120
Chromium	9.8	10	102.6	100.548	166.1	0.2	2.5	50	131.1*(a	80-120
Cobalt	9.8	10	60.5	59.29	110.6	0.2	2.5	50	102.6	80-120
Copper	9.8	10	10.7	10.486	115.1	0.2	5	100	104.6	80-120
Iron	9.8	10	32710	32055.8	36760	0.2	150	3000	156.8*(a	80-120
Lead	9.8	10	24.4	23.912	84.4	0.2	2.5	50	121.0*(a	80-120
Magnesium	9.8	10	2816	2759.68	8243	0.2	250	5000	109.7	80-120
Manganese	9.8	10	13030	12769.4	12650	0.2	2.5	50	-238.8*a	80-120
Molybdenum	9.8	10	8.6	8.428	113.5	0.2	5	100	105.1	80-120
Nickel	9.8	10	86.7	84.966	192.9	0.2	5	100	107.9	80-120
Potassium	9.8	10	3399	3331.02	14360	0.2	500	10000	110.3	80-120
Selenium	9.8	10			103.8	0.2	5	100	103.8	80-120
Silver	9.8	10			46.7	0.2	2.5	50	93.4	80-120
Sodium	9.8	10	45710	44795.8	55200	0.2	500	10000	104.0	80-120
Strontium	9.8	10	121.2	118.776	183.6	0.2	2.5	50	129.6*(a	80-120
Thallium	9.8	10			110.3	0.2	5	100	110.3	80-120
Tin	9.8	10			47.5	0.2	2.5	50	95.0	80-120
Titanium	9.8	10	108.1	105.938	524.8	0.2	5	100	418.9*(a	80-120
Vanadium	9.8	10	128.5	125.93	185.8	0.2	2.5	50	119.7	80-120
Zinc	9.8	10	140.6	137.788	407.9	0.2	12.5	250	108.0	80-120

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast
ACCUTEST LABORATORIES

02/26/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita,KS

Accutest Job Number: FA12599

Sampling Date: 02/18/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **27**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita,KS

Job No: FA12599

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12599-1	02/18/14	11:15	BGSK	02/19/14	AQ	Water	BLD B RM 3

Summary of Hits

Job Number: FA12599
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12599-1	**BLD B RM 3**					
Benzyl Alcohol		6.0	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		4.6 J	4.7	1.5	ug/l	SW846 8270D
Barium		214	200		ug/l	SW846 6010C
Cadmium		10.2	5.0		ug/l	SW846 6010C
Chromium		29.8	10		ug/l	SW846 6010C
Iron		466	300		ug/l	SW846 6010C
Lead		37.0	5.0		ug/l	SW846 6010C
Sodium		97500	20000		ug/l	SW846 6010C
Strontium		211	10		ug/l	SW846 6010C
Titanium		235	10		ug/l	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12599-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677026.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-51-6	Benzyl Alcohol	6.0	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.6	4.7	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-67%
4165-62-2	Phenol-d5	24%		10-50%
118-79-6	2,4,6-Tribromophenol	92%		33-118%
4165-60-0	Nitrobenzene-d5	85%		42-108%
321-60-8	2-Fluorobiphenyl	90%		40-106%
1718-51-0	Terphenyl-d14	106%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12599-1
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/18/14
Date Received: 02/19/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	214	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	10.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	29.8	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	466	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	37.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	< 15	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	97500	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	211	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	235	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FA12599

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12599 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Si Environmental
Address: 215 S Lawa
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Container Information	Benzoic Acid / 2-chlorophenol	3,4-Methylphenol / 2-Nitrophenol	Phenol / Hexachloroethane	Hexachlorobutadiene / Naphthalene	Acenaphthene / Fluorene	Cadmium / Chromium	Iron / Lead / Manganese	Mercury / Potassium	Selenium / Strontium	Titanium	Matrix Codes
A	Bld A Rm 3	2-18-14	1115	BG	WW	3	OTHER: X	X	X	X	X	X	X	X	X	X	X	LAB USE ONLY: 1

Container Information: NONE, HCl, MeOH, HNO3, H2SO4, NAOH+ZNAC, DI WATER, MEOH

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [X] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14 / 1600	2 FX	3 FX	02/19/14 3:40	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

4.1 4

FA12599: Chain of Custody
Page 1 of 3

FA12599

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: ~~FA12599~~ CLIENT: isi Environmental PROJECT: Clean Harbors

DATE/TIME RECEIVED: 02/19/14 3:40 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7979 5807 9473

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.8
- [ ] OBSERVED TEMPS: 2.0
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE 02/19/14 REVIEWER SIGNATURE/DATE 02/19/14

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12599: Chain of Custody

Page 2 of 3

FA12599: Chain of Custody
Page 3 of 3

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12599
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12599-1

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	14-67%
4165-62-2	Phenol-d5	36%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

Blank Spike Summary

Job Number: FA12599
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12599-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	22.0	22	10-69
95-57-8	2-Chlorophenol	50	35.4	71	52-98
	3&4-Methylphenol	100	63.9	64	36-88
88-75-5	2-Nitrophenol	50	36.0	72	53-102
100-51-6	Benzyl Alcohol	50	40.2	80	46-94
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.6	85	61-117

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	14-67%
4165-62-2	Phenol-d5	38%	10-50%
118-79-6	2,4,6-Tribromophenol	91%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12599
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12599-1

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		190	89.1	47	82.2	43	8	10-69/39
95-57-8	2-Chlorophenol	ND		95.2	56.6	59	54.1	57	5	52-98/25
	3&4-Methylphenol	ND		190	110	58	105	55	5	36-88/28
88-75-5	2-Nitrophenol	ND		95.2	59.1	62	59.7	63	1	53-102/29
100-51-6	Benzyl Alcohol	6.7		95.2	79.1	76	76.4	73	3	46-94/27
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	J	95.2	86.1	87	79.9	81	7	61-117/23

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-4	Limits
367-12-4	2-Fluorophenol	48%	45%	32%	14-67%
4165-62-2	Phenol-d5	40%	38%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	83%	79%	33-118%
4165-60-0	Nitrobenzene-d5	63%	63%	64%	42-108%
321-60-8	2-Fluorobiphenyl	67%	67%	72%	40-106%
1718-51-0	Terphenyl-d14	92%	84%	70%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26844 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.012	<0.50

Associated samples MP26844: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14 02/20/14

Metal	FA12580-1 Original	DUP	RPD	QC Limits	FA12580-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.28	0.27	3.6	0-20	0.28	3.2	3	97.3	80-120

Associated samples MP26844: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26844 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	FA12580-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.28	3.3	3	100.7	3.1	20

Associated samples MP26844: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.9	3	96.7	80-120

Associated samples MP26844: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26844 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	FA12580-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.284	0.00	100.0(a)	0-10

Associated samples MP26844: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	0.10	<6.0
Arsenic	10	2	2.4	-0.60	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50		
Chromium	10	1	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	17	17	2.1	<300
Lead	5.0	1.1	1.1	0.0	<5.0
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200	-17	<10000
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500	39.3	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2		
Tin	50	.7	1		
Titanium	10	.9	1	-0.10	<10
Vanadium	50	.5	.5		
Zinc	20	3	3		

Associated samples MP26846: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/20/14					02/20/14	
Metal	FA12569-1 Original	DUP	RPD	QC Limits	FA12569-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	0.0	0.0	NC	0-20	0.0	396	500	79.2N(b)	80-120
Arsenic	96.0	115	18.0	0-20	96.0	1930	2000	91.7	80-120
Barium	168	177	5.2	0-20	168	2100	2000	96.6	80-120
Beryllium	anr								
Cadmium	0.0	5.0	200.0(a)	0-20	0.0	50.8	50	101.6	80-120
Calcium	anr								
Chromium	103	124	18.5	0-20	103	275	200	86.0	80-120
Cobalt	anr								
Copper	anr								
Iron	32700	39500	18.8	0-20	32700	48800	26000	61.9N(b)	80-120
Lead	24.4	30.4	21.9 (a)	0-20	24.4	512	500	97.5	80-120
Magnesium	anr								
Manganese	13000	12500	3.9	0-20	13000	13000	500	0.0 (c)	80-120
Molybdenum	anr								
Nickel	anr								
Potassium	3400	3380	0.6	0-20	3400	27100	25000	94.8	80-120
Selenium	anr								
Silver	anr								
Sodium	45700	43400	5.2	0-20	45700	67700	25000	88.0	80-120
Strontium	121	135	10.9	0-20	121	590	500	93.8	80-120
Thallium	anr								
Tin	anr								
Titanium	108	122	12.2	0-20	108	527	500	83.8	80-120
Vanadium	anr								
Zinc	anr								

Associated samples MP26846: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike recovery indicates possible matrix interference.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26846 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/20/14

Metal	FA12569-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	343	500	68.6N(a)	14.3	20
Arsenic	96.0	1900	2000	90.2	1.6	20
Barium	168	2030	2000	93.1	3.4	20
Beryllium	anr					
Cadmium	0.0	50.7	50	101.4	0.2	20
Calcium	anr					
Chromium	103	319	200	108.0	14.8	20
Cobalt	anr					
Copper	anr					
Iron	32700	64800	26000	123.5N(a	28.2 (b)	20
Lead	24.4	534	500	101.9	4.2	20
Magnesium	anr					
Manganese	13000	12400	500	-120.0(c	4.7	20
Molybdenum	anr					
Nickel	anr					
Potassium	3400	26400	25000	92.0	2.6	20
Selenium	anr					
Silver	anr					
Sodium	45700	64100	25000	73.6N(a)	5.5	20
Strontium	121	618	500	99.4	4.6	20
Thallium	anr					
Tin	anr					
Titanium	108	631	500	104.6	18.0	20
Vanadium	anr					
Zinc	anr					

Associated samples MP26846: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.
(b) High RPD due to possible sample non-homogeneity.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	515	500	103.0	80-120
Arsenic	2010	2000	100.5	80-120
Barium	2130	2000	106.5	80-120
Beryllium	anr			
Cadmium	52.6	50	105.2	80-120
Calcium	anr			
Chromium	214	200	107.0	80-120
Cobalt	anr			
Copper	anr			
Iron	26200	26000	100.8	80-120
Lead	509	500	101.8	80-120
Magnesium	anr			
Manganese	518	500	103.6	80-120
Molybdenum	anr			
Nickel	anr			
Potassium	25000	25000	100.0	80-120
Selenium	anr			
Silver	anr			
Sodium	25400	25000	101.6	80-120
Strontium	498	500	99.6	80-120
Thallium	anr			
Tin	anr			
Titanium	517	500	103.4	80-120
Vanadium	anr			
Zinc	anr			

Associated samples MP26846: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	FA12569-1 Original	SDL 10:50%DIF		QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	96.0	0.00	100.0(a)	0-10
Barium	168	187	11.7 (a)	0-10
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	103	124	20.9 (a)	0-10
Cobalt	anr			
Copper	anr			
Iron	32700	34300	4.8	0-10
Lead	24.4	0.00	100.0(a)	0-10
Magnesium	anr			
Manganese	13000	13300	2.3	0-10
Molybdenum	anr			
Nickel	anr			
Potassium	3400	0.00	100.0(a)	0-10
Selenium	anr			
Silver	anr			
Sodium	45700	43000	5.9	0-10
Strontium	121	133	9.7	0-10
Thallium	anr			
Tin	anr			
Titanium	108	403	272.7(a)	0-10
Vanadium	anr			
Zinc	anr			

Associated samples MP26846: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12599
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	Sample ml	Final ml	FA12569-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			105.8	0.2	5	100	105.8	80-120
Arsenic	9.8	10	96	94.08	197.3	0.2	5	100	103.2	80-120
Barium	9.8	10	167.5	164.15	440.2	0.2	12.5	250	110.4	80-120
Beryllium										
Cadmium	9.8	10			57.3	0.2	2.5	50	114.6	80-120
Calcium										
Chromium	9.8	10	102.6	100.548	166.1	0.2	2.5	50	131.1*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	32710	32055.8	36760	0.2	150	3000	156.8*(a	80-120
Lead	9.8	10	24.4	23.912	84.4	0.2	2.5	50	121.0*(a	80-120
Magnesium										
Manganese	9.8	10	13030	12769.4	12650	0.2	2.5	50	-238.8*a	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	3399	3331.02	14360	0.2	500	10000	110.3	80-120
Selenium										
Silver										
Sodium	9.8	10	45710	44795.8	55200	0.2	500	10000	104.0	80-120
Strontium	9.8	10	121.2	118.776	183.6	0.2	2.5	50	129.6*(a	80-120
Thallium										
Tin										
Titanium	9.8	10	108.1	105.938	524.8	0.2	5	100	418.9*(a	80-120
Vanadium										
Zinc										

Associated samples MP26846: FA12599-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

February 17, 2014

Muna Mohammed
Accutest Laboratories
4405 Vineland Road Suite C-15
Orlando, FL 32811
TEL: 407-425-6700
FAX: 407-425-0707

RE: FA12080X

Order No.: 14020047

Dear Muna Mohammed:

Summit Environmental Technologies, Inc. received 2 sample(s) on 2/1/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dr. Mo Osman

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **14020047**

17-Feb-14

CLIENT: Accutest Laboratories
Project: FA12080X

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14020047-001	FA12080-10X		1/28/2014 5:00:00 PM	2/1/2014 11:00:00 AM	Non-Potable Water
14020047-002	FA12080-11X		1/28/2014 5:00:00 PM	2/1/2014 11:00:00 AM	Non-Potable Water

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **14020047**
Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/1/2014
Project#: FA12080X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12080-10X	001	1/28/2014	2378-TCDF	87	pg/L		Non-Potable Water	EPA 1613 B	1	0.81	1.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	12378-PeCDF	ND	pg/L		Non-Potable Water	EPA 1613 B	1	2.3	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	23478-PeCDF	8.2	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	123478-HxCDF	15	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	123678-HxCDF	12	pg/L		Non-Potable Water	EPA 1613 B	1	3.1	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	234678-HxCDF	11	pg/L		Non-Potable Water	EPA 1613 B	1	3.5	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	123789-HxCDF	ND	pg/L		Non-Potable Water	EPA 1613 B	1	2.7	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	1234678-HpCDF	210	pg/L		Non-Potable Water	EPA 1613 B	1	2.4	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	1234789-HpCDF	14	pg/L		Non-Potable Water	EPA 1613 B	1	9.6	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	OCDF	710	pg/L		Non-Potable Water	EPA 1613 B	1	8.8	10	2/11/2014	CM
FA12080-10X	001	1/28/2014	2378-TCDD	9.7	pg/L		Non-Potable Water	EPA 1613 B	1	0.75	1.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	12378-PeCDD	9.8	pg/L		Non-Potable Water	EPA 1613 B	1	4.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	123478-HxCDD	11	pg/L		Non-Potable Water	EPA 1613 B	1	4.5	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	123678-HxCDD	28	pg/L		Non-Potable Water	EPA 1613 B	1	2.5	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	123789HxCDD	9.9	pg/L		Non-Potable Water	EPA 1613 B	1	4.4	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	1234678-HpCDD	1100	pg/L		Non-Potable Water	EPA 1613 B	1	2.9	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	OCDD	9400	pg/L		Non-Potable Water	EPA 1613 B	1	5.8	10	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-2378-TCDF	40.7	%REC		Non-Potable Water	EPA 1613 B	1		22-152	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-12378-PeCDF	45.1	%REC		Non-Potable Water	EPA 1613 B	1		21-192	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-23478-PeCDF	41.7	%REC		Non-Potable Water	EPA 1613 B	1		13-328	2/11/2014	CM

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WO#: **14020047**
Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/1/2014
Project#: FA12080X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12080-10X	001	1/28/2014	Surr: 13C-123478-HxCDF	47.5	%REC		Non-Potable Water	EPA 1613 B	1		19-202	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-123678-HxCDF	44.5	%REC		Non-Potable Water	EPA 1613 B	1		21-159	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-234678-HxCDF	44.3	%REC		Non-Potable Water	EPA 1613 B	1		17-205	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-123789-HxCDF	46.8	%REC		Non-Potable Water	EPA 1613 B	1		22-176	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-1234678-HpCDF	49.5	%REC		Non-Potable Water	EPA 1613 B	1		21-158	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-1234789-HpCDF	47.3	%REC		Non-Potable Water	EPA 1613 B	1		20-186	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-1234-TCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-2378-TCDD	44.3	%REC		Non-Potable Water	EPA 1613 B	1		20-175	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-12378-PeCDD	38.2	%REC		Non-Potable Water	EPA 1613 B	1		21-227	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-123478-HxCDD	37.3	%REC		Non-Potable Water	EPA 1613 B	1		21-193	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-123678-HxCDD	38.9	%REC		Non-Potable Water	EPA 1613 B	1		25-163	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-1234678-HpCDD	37.1	%REC		Non-Potable Water	EPA 1613 B	1		26-166	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-OCDD	17.4	%REC		Non-Potable Water	EPA 1613 B	1		13-199	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 13C-123789-HxCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/11/2014	CM
FA12080-10X	001	1/28/2014	Surr: 37Cl-2378-TCDD	116	%REC		Non-Potable Water	EPA 1613 B	1		35-137	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Tetrafurans	260	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Tetradioxins	9.7	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Pentafurans	110	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Pentadioxins	9.8	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Hexafurans	49	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM

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Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/1/2014
Project#: FA12080X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12080-10X	001	1/28/2014	Totals-Hexadioxins	140	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Heptafurans	600	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	Totals-Heptadioxins	2200	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-10X	001	1/28/2014	TEQ	55	pg/L		Non-Potable Water	EPA 1613 B	1			2/11/2014	CM

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Received: 2/1/2014
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Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12080-11X	002	1/28/2014	2378-TCDF	46	pg/L		Non-Potable Water	EPA 1613 B	1	0.81	1.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	12378-PeCDF	ND	pg/L		Non-Potable Water	EPA 1613 B	1	2.3	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	23478-PeCDF	5.7	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	123478-HxCDF	12	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	123678-HxCDF	11	pg/L		Non-Potable Water	EPA 1613 B	1	3.1	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	234678-HxCDF	9.2	pg/L		Non-Potable Water	EPA 1613 B	1	3.5	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	123789-HxCDF	ND	pg/L		Non-Potable Water	EPA 1613 B	1	2.7	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	1234678-HpCDF	180	pg/L		Non-Potable Water	EPA 1613 B	1	2.4	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	1234789-HpCDF	14	pg/L		Non-Potable Water	EPA 1613 B	1	9.6	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	OCDF	480	pg/L		Non-Potable Water	EPA 1613 B	1	8.8	10	2/11/2014	CM
FA12080-11X	002	1/28/2014	2378-TCDD	ND	pg/L		Non-Potable Water	EPA 1613 B	1	0.75	1.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	12378-PeCDD	10	pg/L		Non-Potable Water	EPA 1613 B	1	4.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	123478-HxCDD	16	pg/L		Non-Potable Water	EPA 1613 B	1	4.5	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	123678-HxCDD	41	pg/L		Non-Potable Water	EPA 1613 B	1	2.5	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	123789HxCDD	21	pg/L		Non-Potable Water	EPA 1613 B	1	4.4	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	1234678-HpCDD	1500	pg/L		Non-Potable Water	EPA 1613 B	1	2.9	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	OCDD	12000	pg/L		Non-Potable Water	EPA 1613 B	1	5.8	10	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-2378-TCDF	60.5	%REC		Non-Potable Water	EPA 1613 B	1		22-152	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-12378-PeCDF	61.2	%REC		Non-Potable Water	EPA 1613 B	1		21-192	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-23478-PeCDF	57.6	%REC		Non-Potable Water	EPA 1613 B	1		13-328	2/11/2014	CM

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Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/1/2014
Project#: FA12080X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12080-11X	002	1/28/2014	Surr: 13C-123478-HxCDF	73.6	%REC		Non-Potable Water	EPA 1613 B	1		19-202	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-123678-HxCDF	65.0	%REC		Non-Potable Water	EPA 1613 B	1		21-159	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-234678-HxCDF	63.8	%REC		Non-Potable Water	EPA 1613 B	1		17-205	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-123789-HxCDF	74.9	%REC		Non-Potable Water	EPA 1613 B	1		22-176	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-1234678-HpCDF	71.3	%REC		Non-Potable Water	EPA 1613 B	1		21-158	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-1234789-HpCDF	70.0	%REC		Non-Potable Water	EPA 1613 B	1		20-186	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-1234-TCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-2378-TCDD	68.7	%REC		Non-Potable Water	EPA 1613 B	1		20-175	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-12378-PeCDD	55.6	%REC		Non-Potable Water	EPA 1613 B	1		21-227	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-123478-HxCDD	56.3	%REC		Non-Potable Water	EPA 1613 B	1		21-193	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-123678-HxCDD	57.0	%REC		Non-Potable Water	EPA 1613 B	1		25-163	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-1234678-HpCDD	57.9	%REC		Non-Potable Water	EPA 1613 B	1		26-166	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-OCDD	25.5	%REC		Non-Potable Water	EPA 1613 B	1		13-199	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 13C-123789-HxCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/11/2014	CM
FA12080-11X	002	1/28/2014	Surr: 37Cl-2378-TCDD	108	%REC		Non-Potable Water	EPA 1613 B	1		35-137	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Tetrafurans	160	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Tetradioxins	ND	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Pentafurans	74	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Pentadioxins	18	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Hexafurans	46	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM

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Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/1/2014
Project#: FA12080X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12080-11X	002	1/28/2014	Totals-Hexadioxins	270	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Heptafurans	500	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	Totals-Heptadioxins	3500	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12080-11X	002	1/28/2014	TEQ	50	pg/L		Non-Potable Water	EPA 1613 B	1			2/11/2014	CM

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QC SUMMARY REPORT

WO#: **14020047**

17-Feb-14

Client: Accutest Laboratories
Project: FA12080X **TestCode:** **DX-Full_NPW(1613)**

Sample ID **LCS-R13206** SampType: **LCS** TestCode: **DX-Full_NPW** Units: **ng/mL** Prep Date: RunNo: **13206**
Client ID: **LCSW** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/14/2014** SeqNo: **148965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	11	1.0	10.00	0	106	75	158				
12378-PeCDF	52	5.0	50.00	0	104	80	134				
23478-PeCDF	50	5.0	50.00	0	101	68	160				
123478-HxCDF	44	5.0	50.00	0	87.1	72	134				
123678-HxCDF	48	5.0	50.00	0	95.8	84	130				
234678-HxCDF	49	5.0	50.00	0	97.0	70	156				
123789-HxCDF	46	5.0	50.00	0	92.8	78	130				
1234678-HpCDF	44	5.0	50.00	0	88.1	82	122				
1234789-HpCDF	45	5.0	50.00	0	90.8	78	138				
OCDF	100	10	100.0	0	103	63	170				
2378-TCDD	9.2	1.0	10.00	0	92.4	67	158				
12378-PeCDD	49	5.0	50.00	0	97.4	70	142				
123478-HxCDD	51	5.0	50.00	0	101	70	164				
123678-HxCDD	51	5.0	50.00	0	103	70	134				
123789HxCDD	53	5.0	50.00	0	107	64	162				
1234678-HpCDD	53	5.0	50.00	0	106	70	140				
OCDD	94	10	100.0	0	93.7	78	144				
Surr: 13C-2378-TCDF	97		100.0		97.3	22	152				
Surr: 13C-12378-PeCDF	100		100.0		101	21	192				
Surr: 13C-23478-PeCDF	100		100.0		104	13	328				
Surr: 13C-123478-HxCDF	97		100.0		97.4	19	202				
Surr: 13C-123678-HxCDF	52		100.0		51.7	21	159				
Surr: 13C-234678-HxCDF	110		100.0		107	17	205				
Surr: 13C-123789-HxCDF	120		100.0		116	22	176				
Surr: 13C-1234678-HpCDF	110		100.0		113	21	158				
Surr: 13C-1234789-HpCDF	120		100.0		117	20	186				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

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QC SUMMARY REPORT

WO#: **14020047**

17-Feb-14

Client: Accutest Laboratories
Project: FA12080X **TestCode:** **DX-Full_NPW(1613)**

Sample ID **LCS-R13206** SampType: **LCS** TestCode: **DX-Full_NPW** Units: **ng/mL** Prep Date: RunNo: **13206**
Client ID: **LCSW** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/14/2014** SeqNo: **148965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 13C-1234-TCDD	100		100.0		100	100	100				
Surr: 13C-2378-TCDD	100		100.0		103	20	175				
Surr: 13C-12378-PeCDD	100		100.0		100	21	227				
Surr: 13C-123478-HxCDD	90		100.0		90.3	21	193				
Surr: 13C-123678-HxCDD	95		100.0		94.6	25	163				
Surr: 13C-1234678-HpCDD	100		100.0		103	26	166				
Surr: 13C-OCDD	100		200.0		50.9	13	199				
Surr: 13C-123789-HxCDD	100		100.0		100	100	100				
Surr: 37Cl-2378-TCDD	94		100.0		94.0	31	191				

Sample ID **LCSD-R13206** SampType: **LCSD** TestCode: **DX-Full_NPW** Units: **ng/mL** Prep Date: RunNo: **13206**
Client ID: **LCSS02** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/14/2014** SeqNo: **148966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	11	1.0	10.00	0	115	75	158	10.57	8.18	20	
12378-PeCDF	59	5.0	50.00	0	117	80	134	51.79	12.2	20	
23478-PeCDF	53	5.0	50.00	0	106	68	160	50.32	5.58	20	
123478-HxCDF	47	5.0	50.00	0	94.0	72	134	43.56	7.61	20	
123678-HxCDF	54	5.0	50.00	0	107	84	130	47.91	11.1	20	
234678-HxCDF	51	5.0	50.00	0	102	70	156	48.51	5.19	20	
123789-HxCDF	49	5.0	50.00	0	98.5	78	130	46.41	5.93	20	
1234678-HpCDF	46	5.0	50.00	0	92.0	82	122	44.04	4.36	20	
1234789-HpCDF	48	5.0	50.00	0	96.2	78	138	45.39	5.77	20	
OCDF	110	10	100.0	0	114	63	170	102.8	10.3	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

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Analytical Laboratories

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QC SUMMARY REPORT

WO#: **14020047**

17-Feb-14

Client: Accutest Laboratories
Project: FA12080X

TestCode: **DX-Full_NPW(1613)**

Sample ID **LCSD-R13206** SampType: **LCSD** TestCode: **DX-Full_NPW** Units: **ng/mL** Prep Date: RunNo: **13206**
Client ID: **LCSS02** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/14/2014** SeqNo: **148966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDD	9.5	1.0	10.00	0	94.7	67	158	9.241	2.49	20	
12378-PeCDD	51	5.0	50.00	0	103	70	142	48.68	5.60	20	
123478-HxCDD	55	5.0	50.00	0	110	70	164	50.56	8.63	20	
123678-HxCDD	54	5.0	50.00	0	108	70	134	51.33	5.38	20	
123789HxCDD	54	5.0	50.00	0	109	64	162	53.36	1.94	20	
1234678-HpCDD	55	5.0	50.00	0	109	70	140	52.82	3.53	20	
OCDD	100	10	100.0	0	102	78	144	93.68	8.50	20	
Surr: 13C-2378-TCDF	97		100.0		96.7	22	152		0	0	
Surr: 13C-12378-PeCDF	99		100.0		98.7	21	192		0	0	
Surr: 13C-23478-PeCDF	98		100.0		98.0	13	328		0	0	
Surr: 13C-123478-HxCDF	96		100.0		95.5	19	202		0	0	
Surr: 13C-123678-HxCDF	98		100.0		98.5	21	159		0	0	
Surr: 13C-234678-HxCDF	110		100.0		111	17	205		0	0	
Surr: 13C-123789-HxCDF	120		100.0		117	22	176		0	0	
Surr: 13C-1234678-HpCDF	120		100.0		119	21	158		0	0	
Surr: 13C-1234789-HpCDF	120		100.0		124	20	186		0	0	
Surr: 13C-1234-TCDD	100		100.0		100	100	100		0	0	
Surr: 13C-2378-TCDD	100		100.0		102	20	175		0	0	
Surr: 13C-12378-PeCDD	94		100.0		94.5	21	227		0	0	
Surr: 13C-123478-HxCDD	99		100.0		98.9	21	193		0	0	
Surr: 13C-123678-HxCDD	97		100.0		96.8	25	163		0	0	
Surr: 13C-1234678-HpCDD	100		100.0		105	26	166		0	0	
Surr: 13C-OCDD	110		200.0		52.6	13	199		0	0	
Surr: 13C-123789-HxCDD	100		100.0		100	100	100		0	0	
Surr: 37Cl-2378-TCDD	100		100.0		101	31	191		0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14020047**

17-Feb-14

Client: Accutest Laboratories
Project: FA12080X **TestCode:** **DX-Full_NPW(1613)**

Sample ID **MB-R13206** SampType: **MBLK** TestCode: **DX-Full_NPW** Units: **pg/L** Prep Date: RunNo: **13206**
Client ID: **PBW** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/10/2014** SeqNo: **148967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	ND	1.0									
12378-PeCDF	ND	5.0									
23478-PeCDF	ND	5.0									
123478-HxCDF	ND	5.0									
123678-HxCDF	ND	5.0									
234678-HxCDF	ND	5.0									
123789-HxCDF	ND	5.0									
1234678-HpCDF	ND	5.0									
1234789-HpCDF	ND	5.0									
OCDF	ND	10									
2378-TCDD	ND	1.0									
12378-PeCDD	ND	5.0									
123478-HxCDD	ND	5.0									
123678-HxCDD	ND	5.0									
123789HxCDD	ND	5.0									
1234678-HpCDD	ND	5.0									
OCDD	ND	10									
Totals-Tetrafurans	ND	5.0									
Totals-Tetradioxins	ND	5.0									
Totals-Pentafurans	ND	5.0									
Totals-Pentadioxins	ND	5.0									
Totals-Hexafurans	ND	5.0									
Totals-Hexadioxins	ND	5.0									
Totals-Heptafurans	ND	5.0									
Totals-Heptadioxins	ND	5.0									
Surr: 13C-2378-TCDF	76		100.0		76.0	22	152				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

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Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14020047**

17-Feb-14

Client: Accutest Laboratories
Project: FA12080X **TestCode:** **DX-Full_NPW(1613)**

Sample ID **MB-R13206** SampType: **MBLK** TestCode: **DX-Full_NPW** Units: **pg/L** Prep Date: RunNo: **13206**
Client ID: **PBW** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/10/2014** SeqNo: **148967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 13C-12378-PeCDF	80		100.0		79.8	21	192				
Surr: 13C-23478-PeCDF	75		100.0		74.9	13	328				
Surr: 13C-123478-HxCDF	120		100.0		118	19	202				
Surr: 13C-123678-HxCDF	100		100.0		102	21	159				
Surr: 13C-234678-HxCDF	88		100.0		88.1	17	205				
Surr: 13C-123789-HxCDF	100		100.0		103	22	176				
Surr: 13C-1234678-HpCDF	100		100.0		103	21	158				
Surr: 13C-1234789-HpCDF	120		100.0		122	20	186				
Surr: 13C-1234-TCDD	100		100.0		100	100	100				
Surr: 13C-2378-TCDD	80		100.0		80.5	20	175				
Surr: 13C-12378-PeCDD	76		100.0		75.9	21	227				
Surr: 13C-123478-HxCDD	110		100.0		107	21	193				
Surr: 13C-123678-HxCDD	86		100.0		86.1	25	163				
Surr: 13C-1234678-HpCDD	92		100.0		92.2	26	166				
Surr: 13C-OCDD	95		200.0		47.7	13	199				
Surr: 13C-123789-HxCDD	100		100.0		100	100	100				
Surr: 37Cl-2378-TCDD	87		100.0		86.7	31	191				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Accutest Laboratories Southeast
Subcontract Chain of Custody

4405 Vineland Road, Suite C-15, Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-0707
www.accutest.com

PAGE 1 OF 1

Client / Reporting Information

Company Name: Accutest Laboratories
Address: 4405 Vineland Rd.
City: Orlando State: FL Zip: 32811
Phone #: (407) 425-6700 Fax#: (407) 425-0707

Project Information

Project Name: FA12080X
Please send report to dawnd@accutest.com
For any other issues contact munam@accutest.com

Analytical Information

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Lab ID #	Sample ID	COLLECTION DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	DIOXINS, / FURANS	LAB USE ONLY
10X	BLD B RMS 4-7	01/28/14	17:00		WW	2		X								X	
11X	BLD B RMS 1-3	01/28/14	17:00		WW	2		X								X	

14020047-07-02 S

Turnaround Time (Business days)

Std. 10 Business Days
7 Day *RUSH*
5 Day *RUSH*
3 Day *EMERGENCY*
2 Day *EMERGENCY*
1 Day *EMERGENCY*
Other

Approved By: / Date/Rush Code: Due 02-07-14

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Ship to Laboratory - Summit
Approved by - cc

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1		01/31/14 1300	2 FC	3 FC		4
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	Date Time: 2/11/14 1100	8 Received By/Affiliation

Lab Use Only : Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved Where Applicable: Y N Total # of Coolers: ____ Cooler Temperature (s) Celsius: _____

Rev. 12
Date: 07/27/13

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Initials of person inspecting cooler and samples: SM

Client: ACCUTEST Order Number:

Date Received: 2/1/14 Time Received: 1102 Date cooler(s) opened and samples inspected: 2/3/14

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other:

Packaging: Peanuts Bubble Wrap Paper Foam None Other:

Tape on cooler/box:	(Y)	N	N/A
Custody Seals intact	(Y)	N	N/A
C-O-C in plastic	(Y)	N	N/A
Ice X Blue ice	(present) / absent / melted		N/A
Sample Temperature IR Gun #16020459 CF °C	2.0 °C		N/A
Radiological Testing Instrument serial #35127 (see page 2 for scan results)	Y	N	N/A

****Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately**

C-O-C filled out properly	(Y)	N	N/A
Samples in separate bags	(Y)	N	N/A
Sample containers intact*	(Y)	N	N/A

*If no, list broken sample(s):

Sample label(s) complete (ID, date, etc.)	(Y)	N	N/A
Label(s) agree with C-O-C	(Y)	N	N/A
Correct containers used	(Y)	N	N/A
Sufficient sample received	(Y)	N	N/A
Bubbles absent from 40 mL vials**	Y	N	(N/A)

** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm:

Was client contacted about samples	Y	N
Will client send new samples	Y	N

Client contact:

Date/Time:

Logged in by:

Comments:

Summit Environmental Technologies, Inc.
Sample Receipt

pH test on samples

Client ID	Test	pH
10		6
		6
11		6
		6

Radiological scan on sample

Client ID	scan	CPM

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 06, 2014

Brady Gerber
Integrated Solutions
215 S. Laura
Wichita, KS 67211

RE: Project: CLEAN HARBORS
Pace Project No.: 60174820

Dear Brady Gerber:
Enclosed are the analytical results for sample(s) received by the laboratory on July 31, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sherri Rosenstangle
sherri.rosenstangle@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021

Dallas Certification IDs:
400 West Bethany Dr Suite 190 75013 Allen TX 75013
Texas Certification #: T104704232-13-5
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 2012-080
Louisiana Certification #: 02007

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SAMPLE SUMMARY

Project: CLEAN HARBORS
Pace Project No.: 60174820

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60174820001	**BLD. D RM. 7**	Water	07/31/14 13:50	07/31/14 17:02
60174820002	**TRIP BLANK**	Water	07/31/14 13:50	07/31/14 17:12

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SAMPLE ANALYTE COUNT

Project: CLEAN HARBORS
Pace Project No.: 60174820

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60174820001	**BLD. D RM. 7**	EPA 8081	TA	23	PASI-D
		EPA 8082	JDH	8	PASI-K
		EPA 8151	PMS	11	PASI-D
		EPA 6010	JGP	26	PASI-K
		EPA 7470	TDS	1	PASI-K
		EPA 8270	JMT	78	PASI-K
		EPA 5030B/8260	PRG	76	PASI-K
60174820002	**TRIP BLANK**	EPA 5030B/8260	PRG	76	PASI-K

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: BLD. D RM. 7 **Lab ID: 60174820001** Collected: 07/31/14 13:50 Received: 07/31/14 17:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	309-00-2	
alpha-BHC	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	319-84-6	
beta-BHC	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	319-85-7	
delta-BHC	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	58-89-9	
alpha-Chlordane	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	5103-71-9	
gamma-Chlordane	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	5103-74-2	
4,4'-DDD	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	72-54-8	
4,4'-DDE	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	72-55-9	
4,4'-DDT	ND	ug/L	0.030	1	08/01/14 14:41	08/05/14 16:44	50-29-3	
Dieldrin	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	08/01/14 14:41	08/05/14 16:44	959-98-8	
Endosulfan II	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	08/01/14 14:41	08/05/14 16:44	1031-07-8	
Endrin	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	72-20-8	
Endrin aldehyde	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	08/01/14 14:41	08/05/14 16:44	53494-70-5	
Heptachlor	ND	ug/L	0.020	1	08/01/14 14:41	08/05/14 16:44	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	08/01/14 14:41	08/05/14 16:44	1024-57-3	
Methoxychlor	ND	ug/L	0.050	1	08/01/14 14:41	08/05/14 16:44	72-43-5	
Toxaphene	ND	ug/L	1.0	1	08/01/14 14:41	08/05/14 16:44	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	58	%.	40-140	1	08/01/14 14:41	08/05/14 16:44	877-09-8	
Decachlorobiphenyl (S)	51	%.	40-140	1	08/01/14 14:41	08/05/14 17:16	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.25	1	08/01/14 00:00	08/04/14 22:43	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	53	%	15-115	1	08/01/14 00:00	08/04/14 22:43	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	94-75-7	M1
Dalapon	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	75-99-0	
2,4-DB	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	94-82-6	M1
Dicamba	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	1918-00-9	M1
Dichloroprop	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	120-36-5	M1
Dinoseb	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	88-85-7	N2
MCPA	ND	ug/L	20.0	1	08/01/14 16:17	08/06/14 14:52	94-74-6	M1
MCPP	ND	ug/L	20.0	1	08/01/14 16:17	08/06/14 14:52	7085-19-0	M1
2,4,5-T	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	93-76-5	M1
2,4,5-TP (Silvex)	ND	ug/L	0.50	1	08/01/14 16:17	08/06/14 14:52	93-72-1	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: BLD. D RM. 7 **Lab ID: 60174820001** Collected: 07/31/14 13:50 Received: 07/31/14 17:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Surrogates								
2,4-DCAA (S)	126	%.	40-140	1	08/01/14 16:17	08/06/14 14:52	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**961**	ug/L	200	1	08/01/14 11:00	08/04/14 10:34	7429-90-5	
Antimony	ND	ug/L	6.0	1	08/01/14 11:00	08/04/14 10:34	7440-36-0	
Arsenic	ND	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7440-38-2	
Barium	ND	ug/L	200	1	08/01/14 11:00	08/04/14 10:34	7440-39-3	
Beryllium	ND	ug/L	4.0	1	08/01/14 11:00	08/04/14 10:34	7440-41-7	
Cadmium	ND	ug/L	5.0	1	08/01/14 11:00	08/04/14 10:34	7440-43-9	
Calcium	**48900**	ug/L	1000	1	08/01/14 11:00	08/04/14 10:34	7440-70-2	
Chromium	**21.3**	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7440-47-3	
Cobalt	ND	ug/L	50.0	1	08/01/14 11:00	08/04/14 10:34	7440-48-4	
Copper	**42.2**	ug/L	25.0	1	08/01/14 11:00	08/04/14 10:34	7440-50-8	
Iron	**2840**	ug/L	300	1	08/01/14 11:00	08/04/14 11:57	7439-89-6	
Lead	**72.9**	ug/L	5.0	1	08/01/14 11:00	08/04/14 10:34	7439-92-1	
Magnesium	**14000**	ug/L	5000	1	08/01/14 11:00	08/04/14 10:34	7439-95-4	
Manganese	**43.2**	ug/L	15.0	1	08/01/14 11:00	08/04/14 10:34	7439-96-5	
Molybdenum	ND	ug/L	50.0	1	08/01/14 11:00	08/04/14 10:34	7439-98-7	
Nickel	ND	ug/L	40.0	1	08/01/14 11:00	08/04/14 10:34	7440-02-0	
Potassium	ND	ug/L	10000	1	08/01/14 11:00	08/04/14 10:34	7440-09-7	
Selenium	ND	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7782-49-2	
Silver	ND	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7440-22-4	
Sodium	**97600**	ug/L	10000	1	08/01/14 11:00	08/04/14 10:34	7440-23-5	
Strontium	**327**	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7440-24-6	
Thallium	ND	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7440-28-0	
Tin	ND	ug/L	50.0	1	08/01/14 11:00	08/04/14 10:34	7440-31-5	
Titanium	**34.6**	ug/L	10.0	1	08/01/14 11:00	08/04/14 10:34	7440-32-6	
Vanadium	ND	ug/L	50.0	1	08/01/14 11:00	08/04/14 10:34	7440-62-2	
Zinc	**566**	ug/L	20.0	1	08/01/14 11:00	08/04/14 10:34	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	1.0	1	08/04/14 16:25	08/05/14 09:34	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	208-96-8	
Aniline	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	62-53-3	
Anthracene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	120-12-7	
Benzidine	ND	ug/L	25.0	1	08/01/14 00:00	08/03/14 14:23	92-87-5	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	207-08-9	
Benzoic acid	ND	ug/L	50.0	1	08/01/14 00:00	08/03/14 14:23	65-85-0	

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: BLD. D RM. 7 **Lab ID: 60174820001** Collected: 07/31/14 13:50 Received: 07/31/14 17:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	85-68-7	
Carbazole	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	59-50-7	
4-Chloroaniline	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	39638-32-9	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	53-70-3	
Dibenzofuran	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	08/01/14 00:00	08/03/14 14:23	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	84-66-2	
2,4-Dimethylphenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	08/01/14 00:00	08/03/14 14:23	534-52-1	
2,4-Dinitrophenol	ND	ug/L	25.0	1	08/01/14 00:00	08/03/14 14:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	122-66-7	
bis(2-Ethylhexyl)phthalate	**58.1**	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/01/14 00:00	08/03/14 14:23	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	193-39-5	
Isophorone	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	78-59-1	
1-Methylnaphthalene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23		
Naphthalene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	91-20-3	
2-Nitroaniline	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	88-74-4	
3-Nitroaniline	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	99-09-2	
4-Nitroaniline	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	100-01-6	

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: BLD. D RM. 7 **Lab ID: 60174820001** Collected: 07/31/14 13:50 Received: 07/31/14 17:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Nitrobenzene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	88-75-5	
4-Nitrophenol	ND	ug/L	25.0	1	08/01/14 00:00	08/03/14 14:23	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/01/14 00:00	08/03/14 14:23	87-86-5	
Phenanthrene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	85-01-8	
Phenol	**6.6**	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	129-00-0	
Pyridine	ND	ug/L	10.0	1	08/01/14 00:00	08/03/14 14:23	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	5.0	1	08/01/14 00:00	08/03/14 14:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80	%	10-135	1	08/01/14 00:00	08/03/14 14:23	4165-60-0	
2-Fluorobiphenyl (S)	75	%	19-124	1	08/01/14 00:00	08/03/14 14:23	321-60-8	
Terphenyl-d14 (S)	84	%	24-131	1	08/01/14 00:00	08/03/14 14:23	1718-51-0	
Phenol-d6 (S)	31	%	10-120	1	08/01/14 00:00	08/03/14 14:23	13127-88-3	
2-Fluorophenol (S)	46	%	13-120	1	08/01/14 00:00	08/03/14 14:23	367-12-4	
2,4,6-Tribromophenol (S)	75	%	29-121	1	08/01/14 00:00	08/03/14 14:23	118-79-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	25.0	1		08/01/14 19:04	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/01/14 19:04	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/01/14 19:04	107-13-1	
Benzene	ND	ug/L	1.0	1		08/01/14 19:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/01/14 19:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/01/14 19:04	74-97-5	
Bromodichloromethane	**4.5**	ug/L	1.0	1		08/01/14 19:04	75-27-4	
Bromoform	**1.3**	ug/L	1.0	1		08/01/14 19:04	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/01/14 19:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/01/14 19:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/01/14 19:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/01/14 19:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/01/14 19:04	98-06-6	
Carbon disulfide	ND	ug/L	2.0	1		08/01/14 19:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/01/14 19:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/01/14 19:04	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/01/14 19:04	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	5.0	1		08/01/14 19:04	110-75-8	
Chloroform	**4.2**	ug/L	1.0	1		08/01/14 19:04	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/01/14 19:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/01/14 19:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/01/14 19:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		08/01/14 19:04	96-12-8	
Dibromochloromethane	**4.5**	ug/L	1.0	1		08/01/14 19:04	124-48-1	

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: BLD. D RM. 7 **Lab ID: 60174820001** Collected: 07/31/14 13:50 Received: 07/31/14 17:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/01/14 19:04	106-93-4	
Dibromomethane	ND	ug/L	2.0	1		08/01/14 19:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/01/14 19:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/01/14 19:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/01/14 19:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/01/14 19:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/01/14 19:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/01/14 19:04	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/01/14 19:04	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/01/14 19:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/01/14 19:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/01/14 19:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/01/14 19:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/01/14 19:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/01/14 19:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/01/14 19:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/01/14 19:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/01/14 19:04	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	100	1		08/01/14 19:04	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		08/01/14 19:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		08/01/14 19:04	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		08/01/14 19:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/01/14 19:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/01/14 19:04	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		08/01/14 19:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/01/14 19:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/01/14 19:04	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/01/14 19:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/01/14 19:04	103-65-1	
Styrene	ND	ug/L	1.0	1		08/01/14 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/01/14 19:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/01/14 19:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/01/14 19:04	127-18-4	
Toluene	ND	ug/L	1.0	1		08/01/14 19:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/01/14 19:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/01/14 19:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/01/14 19:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/01/14 19:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/01/14 19:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/01/14 19:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	1		08/01/14 19:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	1		08/01/14 19:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	1		08/01/14 19:04	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		08/01/14 19:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/01/14 19:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		08/01/14 19:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/01/14 19:04	179601-23-1	

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: BLD. D RM. 7 **Lab ID: 60174820001** Collected: 07/31/14 13:50 Received: 07/31/14 17:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
o-Xylene	ND	ug/L	1.0	1		08/01/14 19:04	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	80-120	1		08/01/14 19:04	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-120	1		08/01/14 19:04	17060-07-0	
Toluene-d8 (S)	102	%	80-120	1		08/01/14 19:04	2037-26-5	
Preservation pH	**7.0**		0.10	1		08/01/14 19:04		

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: TRIP BLANK **Lab ID: 60174820002** Collected: 07/31/14 13:50 Received: 07/31/14 17:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	25.0	1		08/01/14 15:44	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/01/14 15:44	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/01/14 15:44	107-13-1	
Benzene	ND	ug/L	1.0	1		08/01/14 15:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/01/14 15:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/01/14 15:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/01/14 15:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/01/14 15:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/01/14 15:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/01/14 15:44	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/01/14 15:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/01/14 15:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/01/14 15:44	98-06-6	
Carbon disulfide	ND	ug/L	2.0	1		08/01/14 15:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/01/14 15:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/01/14 15:44	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/01/14 15:44	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	5.0	1		08/01/14 15:44	110-75-8	
Chloroform	ND	ug/L	1.0	1		08/01/14 15:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/01/14 15:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/01/14 15:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/01/14 15:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		08/01/14 15:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/01/14 15:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/01/14 15:44	106-93-4	
Dibromomethane	ND	ug/L	2.0	1		08/01/14 15:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/01/14 15:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/01/14 15:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/01/14 15:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/01/14 15:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/01/14 15:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/01/14 15:44	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/01/14 15:44	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/01/14 15:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/01/14 15:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/01/14 15:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/01/14 15:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/01/14 15:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/01/14 15:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/01/14 15:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/01/14 15:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/01/14 15:44	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	100	1		08/01/14 15:44	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		08/01/14 15:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		08/01/14 15:44	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		08/01/14 15:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/01/14 15:44	98-82-8	

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ANALYTICAL RESULTS

Project: CLEAN HARBORS
Pace Project No.: 60174820

Sample: TRIP BLANK **Lab ID: 60174820002** Collected: 07/31/14 13:50 Received: 07/31/14 17:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
p-Isopropyltoluene	ND	ug/L	1.0	1		08/01/14 15:44	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		08/01/14 15:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/01/14 15:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/01/14 15:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/01/14 15:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/01/14 15:44	103-65-1	
Styrene	ND	ug/L	1.0	1		08/01/14 15:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/01/14 15:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/01/14 15:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/01/14 15:44	127-18-4	
Toluene	ND	ug/L	1.0	1		08/01/14 15:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/01/14 15:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/01/14 15:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/01/14 15:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/01/14 15:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/01/14 15:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/01/14 15:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	1		08/01/14 15:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	1		08/01/14 15:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	1		08/01/14 15:44	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		08/01/14 15:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/01/14 15:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		08/01/14 15:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/01/14 15:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		08/01/14 15:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	80-120	1		08/01/14 15:44	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	80-120	1		08/01/14 15:44	17060-07-0	
Toluene-d8 (S)	99	%	80-120	1		08/01/14 15:44	2037-26-5	
Preservation pH	**7.0**		0.10	1		08/01/14 15:44		

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: MERP/8657
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 60174820001

METHOD BLANK: 1420310 Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	1.0	08/05/14 09:29	

LABORATORY CONTROL SAMPLE: 1420311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1420312 1420313

Parameter	Units	60174820001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.6	5.6	97	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: MPRP/28319
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 60174820001

METHOD BLANK: 1419179
Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	08/04/14 10:27	
Antimony	ug/L	ND	6.0	08/04/14 10:27	
Arsenic	ug/L	ND	10.0	08/04/14 10:27	
Barium	ug/L	ND	200	08/04/14 10:27	
Beryllium	ug/L	ND	4.0	08/04/14 10:27	
Cadmium	ug/L	ND	5.0	08/04/14 10:27	
Calcium	ug/L	ND	1000	08/04/14 10:27	
Chromium	ug/L	ND	10.0	08/04/14 10:27	
Cobalt	ug/L	ND	50.0	08/04/14 10:27	
Copper	ug/L	ND	25.0	08/04/14 10:27	
Iron	ug/L	ND	300	08/04/14 11:50	
Lead	ug/L	ND	5.0	08/04/14 10:27	
Magnesium	ug/L	ND	5000	08/04/14 10:27	
Manganese	ug/L	ND	15.0	08/04/14 10:27	
Molybdenum	ug/L	ND	50.0	08/04/14 10:27	
Nickel	ug/L	ND	40.0	08/04/14 10:27	
Potassium	ug/L	ND	10000	08/04/14 10:27	
Selenium	ug/L	ND	10.0	08/04/14 10:27	
Silver	ug/L	ND	10.0	08/04/14 10:27	
Sodium	ug/L	ND	10000	08/04/14 10:27	
Strontium	ug/L	ND	10.0	08/04/14 10:27	
Thallium	ug/L	ND	10.0	08/04/14 10:27	
Tin	ug/L	ND	50.0	08/04/14 10:27	
Titanium	ug/L	ND	10.0	08/04/14 10:27	
Vanadium	ug/L	ND	50.0	08/04/14 10:27	
Zinc	ug/L	ND	20.0	08/04/14 10:27	

LABORATORY CONTROL SAMPLE: 1419180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10400	104	80-120	
Antimony	ug/L	1000	1040	104	80-120	
Arsenic	ug/L	1000	990	99	80-120	
Barium	ug/L	1000	1040	104	80-120	
Beryllium	ug/L	1000	1010	101	80-120	
Cadmium	ug/L	1000	1020	102	80-120	
Calcium	ug/L	10000	9680	97	80-120	
Chromium	ug/L	1000	1020	102	80-120	
Cobalt	ug/L	1000	963	96	80-120	
Copper	ug/L	1000	939	94	80-120	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

LABORATORY CONTROL SAMPLE: 1419180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	1000	973	97	80-120	
Magnesium	ug/L	10000	9680	97	80-120	
Manganese	ug/L	1000	943	94	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Nickel	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	9640J	96	80-120	
Selenium	ug/L	1000	964	96	80-120	
Silver	ug/L	500	468	94	80-120	
Sodium	ug/L	10000	10200	102	80-120	
Strontium	ug/L	1000	958	96	80-120	
Thallium	ug/L	1000	1050	105	80-120	
Tin	ug/L	1000	1000	100	80-120	
Titanium	ug/L	1000	967	97	80-120	
Vanadium	ug/L	1000	1040	104	80-120	
Zinc	ug/L	1000	964	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1419181 1419182

Parameter	Units	60174820001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	961	10000	10000	11700	11700	107	107	75-125	0	20	
Antimony	ug/L	ND	1000	1000	1060	1080	105	107	75-125	2	20	
Arsenic	ug/L	ND	1000	1000	1030	1040	102	104	75-125	2	20	
Barium	ug/L	ND	1000	1000	1150	1160	104	104	75-125	0	20	
Beryllium	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	1030	1050	103	105	75-125	2	20	
Calcium	ug/L	48900	10000	10000	57700	57600	88	87	75-125	0	20	
Chromium	ug/L	21.3	1000	1000	1040	1050	102	103	75-125	1	20	
Cobalt	ug/L	ND	1000	1000	924	946	92	94	75-125	2	20	
Copper	ug/L	42.2	1000	1000	948	973	91	93	75-125	3	20	
Iron	ug/L	2840	10000	10000	12800	13100	100	103	75-125	2	20	
Lead	ug/L	72.9	1000	1000	996	1020	92	95	75-125	2	20	
Magnesium	ug/L	14000	10000	10000	23300	23500	93	95	75-125	1	20	
Manganese	ug/L	43.2	1000	1000	959	980	92	94	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1010	1030	100	103	75-125	2	20	
Nickel	ug/L	ND	1000	1000	1000	1020	100	101	75-125	2	20	
Potassium	ug/L	ND	10000	10000	16200	16400	93	95	75-125	2	20	
Selenium	ug/L	ND	1000	1000	969	990	97	99	75-125	2	20	
Silver	ug/L	ND	500	500	464	476	93	95	75-125	2	20	
Sodium	ug/L	97600	10000	10000	106000	106000	86	89	75-125	0	20	
Strontium	ug/L	327	1000	1000	1250	1270	93	94	75-125	2	20	
Thallium	ug/L	ND	1000	1000	994	1010	99	101	75-125	2	20	
Tin	ug/L	ND	1000	1000	984	1000	98	100	75-125	2	20	
Titanium	ug/L	34.6	1000	1000	1000	1020	97	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1419181 1419182

Parameter	Units	60174820001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vanadium	ug/L	ND	1000	1000	1060	1080	106	107	75-125	1	20	
Zinc	ug/L	566	1000	1000	1500	1520	93	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: MSV/63318
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 7 day
Associated Lab Samples: 60174820001, 60174820002

METHOD BLANK: 1419248
Matrix: Water
Associated Lab Samples: 60174820001, 60174820002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/01/14 15:30	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/01/14 15:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/01/14 15:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/01/14 15:30	
1,1-Dichloroethane	ug/L	ND	1.0	08/01/14 15:30	
1,1-Dichloroethene	ug/L	ND	1.0	08/01/14 15:30	
1,1-Dichloropropene	ug/L	ND	1.0	08/01/14 15:30	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/01/14 15:30	
1,2,3-Trichloropropane	ug/L	ND	2.0	08/01/14 15:30	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/01/14 15:30	
1,2,4-Trimethylbenzene	ug/L	ND	2.0	08/01/14 15:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	08/01/14 15:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/01/14 15:30	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/01/14 15:30	
1,2-Dichloroethane	ug/L	ND	1.0	08/01/14 15:30	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	08/01/14 15:30	
1,2-Dichloropropane	ug/L	ND	1.0	08/01/14 15:30	
1,3,5-Trimethylbenzene	ug/L	ND	2.0	08/01/14 15:30	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/01/14 15:30	
1,3-Dichloropropane	ug/L	ND	1.0	08/01/14 15:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/01/14 15:30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	100	08/01/14 15:30	
2,2-Dichloropropane	ug/L	ND	1.0	08/01/14 15:30	
2-Butanone (MEK)	ug/L	ND	5.0	08/01/14 15:30	
2-Chloroethylvinyl ether	ug/L	ND	5.0	08/01/14 15:30	
2-Chlorotoluene	ug/L	ND	1.0	08/01/14 15:30	
2-Hexanone	ug/L	ND	10.0	08/01/14 15:30	
4-Chlorotoluene	ug/L	ND	1.0	08/01/14 15:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	08/01/14 15:30	
Acetone	ug/L	ND	25.0	08/01/14 15:30	
Acrolein	ug/L	ND	20.0	08/01/14 15:30	
Acrylonitrile	ug/L	ND	10.0	08/01/14 15:30	
Benzene	ug/L	ND	1.0	08/01/14 15:30	
Bromobenzene	ug/L	ND	1.0	08/01/14 15:30	
Bromochloromethane	ug/L	ND	1.0	08/01/14 15:30	
Bromodichloromethane	ug/L	ND	1.0	08/01/14 15:30	
Bromoform	ug/L	ND	1.0	08/01/14 15:30	
Bromomethane	ug/L	ND	2.0	08/01/14 15:30	
Carbon disulfide	ug/L	ND	2.0	08/01/14 15:30	
Carbon tetrachloride	ug/L	ND	1.0	08/01/14 15:30	
Chlorobenzene	ug/L	ND	1.0	08/01/14 15:30	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

METHOD BLANK: 1419248 Matrix: Water
Associated Lab Samples: 60174820001, 60174820002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	2.0	08/01/14 15:30	
Chloroform	ug/L	ND	1.0	08/01/14 15:30	
Chloromethane	ug/L	ND	1.0	08/01/14 15:30	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/01/14 15:30	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/01/14 15:30	
Dibromochloromethane	ug/L	ND	1.0	08/01/14 15:30	
Dibromomethane	ug/L	ND	2.0	08/01/14 15:30	
Dichlorodifluoromethane	ug/L	ND	2.0	08/01/14 15:30	
Ethylbenzene	ug/L	ND	1.0	08/01/14 15:30	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	08/01/14 15:30	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/01/14 15:30	
m&p-Xylene	ug/L	ND	2.0	08/01/14 15:30	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/01/14 15:30	
Methylene chloride	ug/L	ND	5.0	08/01/14 15:30	
n-Butylbenzene	ug/L	ND	1.0	08/01/14 15:30	
n-Propylbenzene	ug/L	ND	1.0	08/01/14 15:30	
Naphthalene	ug/L	ND	5.0	08/01/14 15:30	
o-Xylene	ug/L	ND	1.0	08/01/14 15:30	
p-Isopropyltoluene	ug/L	ND	1.0	08/01/14 15:30	
sec-Butylbenzene	ug/L	ND	1.0	08/01/14 15:30	
Styrene	ug/L	ND	1.0	08/01/14 15:30	
tert-Butylbenzene	ug/L	ND	1.0	08/01/14 15:30	
Tetrachloroethene	ug/L	ND	1.0	08/01/14 15:30	
Toluene	ug/L	ND	1.0	08/01/14 15:30	
trans-1,2-Dichloroethene	ug/L	ND	1.0	08/01/14 15:30	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/01/14 15:30	
Trichloroethene	ug/L	ND	1.0	08/01/14 15:30	
Trichlorofluoromethane	ug/L	ND	2.0	08/01/14 15:30	
Vinyl acetate	ug/L	ND	10.0	08/01/14 15:30	
Vinyl chloride	ug/L	ND	1.0	08/01/14 15:30	
Xylene (Total)	ug/L	ND	3.0	08/01/14 15:30	
1,2-Dichloroethane-d4 (S)	%	95	80-120	08/01/14 15:30	
4-Bromofluorobenzene (S)	%	95	80-120	08/01/14 15:30	
Toluene-d8 (S)	%	98	80-120	08/01/14 15:30	

LABORATORY CONTROL SAMPLE: 1419249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.2	106	80-124	
1,1,1-Trichloroethane	ug/L	20	20.3	101	80-121	
1,1,2,2-Tetrachloroethane	ug/L	20	18.3	91	73-124	
1,1,2-Trichloroethane	ug/L	20	19.4	97	80-120	
1,1-Dichloroethane	ug/L	20	19.3	96	77-120	
1,1-Dichloroethene	ug/L	20	19.5	98	78-126	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

LABORATORY CONTROL SAMPLE: 1419249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	20	18.7	93	80-120	
1,2,3-Trichlorobenzene	ug/L	20	17.8	89	75-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	76-127	
1,2,4-Trichlorobenzene	ug/L	20	18.1	90	79-124	
1,2,4-Trimethylbenzene	ug/L	20	19.2	96	80-122	
1,2-Dibromo-3-chloropropane	ug/L	20	17.6	88	68-131	
1,2-Dibromoethane (EDB)	ug/L	20	20.6	103	80-127	
1,2-Dichlorobenzene	ug/L	20	21.0	105	80-122	
1,2-Dichloroethane	ug/L	20	19.5	98	77-123	
1,2-Dichloroethene (Total)	ug/L	40	38.6	97	80-120	
1,2-Dichloropropane	ug/L	20	20.3	101	80-121	
1,3,5-Trimethylbenzene	ug/L	20	19.0	95	80-121	
1,3-Dichlorobenzene	ug/L	20	20.6	103	80-120	
1,3-Dichloropropane	ug/L	20	20.6	103	80-120	
1,4-Dichlorobenzene	ug/L	20	20.2	101	80-120	
1,4-Dioxane (p-Dioxane)	ug/L	100	94.3J	94	44-160	
2,2-Dichloropropane	ug/L	20	18.1	90	50-137	
2-Butanone (MEK)	ug/L	100	89.2	89	52-145	
2-Chloroethylvinyl ether	ug/L	20	19.6	98	52-134	
2-Chlorotoluene	ug/L	20	20.3	102	80-120	
2-Hexanone	ug/L	100	92.2	92	57-139	
4-Chlorotoluene	ug/L	20	20.1	101	80-121	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.7	94	71-131	
Acetone	ug/L	100	90.9	91	32-155	
Acrolein	ug/L	200	229	115	17-160	
Acrylonitrile	ug/L	200	190	95	75-125	
Benzene	ug/L	20	19.5	98	80-120	
Bromobenzene	ug/L	20	20.3	102	80-120	
Bromochloromethane	ug/L	20	19.4	97	77-123	
Bromodichloromethane	ug/L	20	19.4	97	80-120	
Bromoform	ug/L	20	20.0	100	73-124	
Bromomethane	ug/L	20	20.5	102	31-144	
Carbon disulfide	ug/L	20	21.0	105	65-125	
Carbon tetrachloride	ug/L	20	19.8	99	78-128	
Chlorobenzene	ug/L	20	20.5	102	80-120	
Chloroethane	ug/L	20	17.9	89	55-137	
Chloroform	ug/L	20	19.0	95	79-120	
Chloromethane	ug/L	20	18.4	92	22-138	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	80-120	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	80-120	
Dibromochloromethane	ug/L	20	19.3	96	80-120	
Dibromomethane	ug/L	20	20.5	103	80-122	
Dichlorodifluoromethane	ug/L	20	15.2	76	23-120	
Ethylbenzene	ug/L	20	19.6	98	80-121	
Hexachloro-1,3-butadiene	ug/L	20	19.0	95	77-129	
Isopropylbenzene (Cumene)	ug/L	20	20.3	101	80-136	
m&p-Xylene	ug/L	40	40.3	101	80-122	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

LABORATORY CONTROL SAMPLE: 1419249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	20	19.1	95	74-125	
Methylene chloride	ug/L	20	18.5	93	73-126	
n-Butylbenzene	ug/L	20	19.9	99	83-123	
n-Propylbenzene	ug/L	20	18.9	95	80-122	
Naphthalene	ug/L	20	17.3	86	73-130	
o-Xylene	ug/L	20	19.7	98	80-120	
p-Isopropyltoluene	ug/L	20	18.9	95	80-124	
sec-Butylbenzene	ug/L	20	20.0	100	80-129	
Styrene	ug/L	20	20.6	103	80-120	
tert-Butylbenzene	ug/L	20	19.1	95	80-126	
Tetrachloroethene	ug/L	20	20.7	103	80-121	
Toluene	ug/L	20	19.7	98	80-122	
trans-1,2-Dichloroethene	ug/L	20	18.9	95	79-121	
trans-1,3-Dichloropropene	ug/L	20	18.9	94	80-127	
Trichloroethene	ug/L	20	20.8	104	80-120	
Trichlorofluoromethane	ug/L	20	20.5	102	67-120	
Vinyl acetate	ug/L	20	18.0	90	45-160	
Vinyl chloride	ug/L	20	17.0	85	59-120	
Xylene (Total)	ug/L	60	59.9	100	80-121	
1,2-Dichloroethane-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			100	80-120	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: OEXT/4367
QC Batch Method: EPA 3510
Analysis Method: EPA 8081
Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60174820001

METHOD BLANK: 89245 Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.020	08/05/14 12:24	
4,4'-DDE	ug/L	ND	0.020	08/05/14 12:24	
4,4'-DDT	ug/L	ND	0.030	08/05/14 12:24	
Aldrin	ug/L	ND	0.020	08/05/14 12:24	
alpha-BHC	ug/L	ND	0.020	08/05/14 12:24	
alpha-Chlordane	ug/L	ND	0.020	08/05/14 12:24	
beta-BHC	ug/L	ND	0.020	08/05/14 12:24	
delta-BHC	ug/L	ND	0.020	08/05/14 12:24	
Dieldrin	ug/L	ND	0.020	08/05/14 12:24	
Endosulfan I	ug/L	ND	0.050	08/05/14 12:24	
Endosulfan II	ug/L	ND	0.020	08/05/14 12:24	
Endosulfan sulfate	ug/L	ND	0.050	08/05/14 12:24	
Endrin	ug/L	ND	0.020	08/05/14 12:24	
Endrin aldehyde	ug/L	ND	0.020	08/05/14 12:24	
Endrin ketone	ug/L	ND	0.050	08/05/14 12:24	
gamma-BHC (Lindane)	ug/L	ND	0.020	08/05/14 12:24	
gamma-Chlordane	ug/L	ND	0.020	08/05/14 12:24	
Heptachlor	ug/L	ND	0.020	08/05/14 12:24	
Heptachlor epoxide	ug/L	ND	0.050	08/05/14 12:24	
Methoxychlor	ug/L	ND	0.050	08/05/14 12:24	
Toxaphene	ug/L	ND	1.0	08/05/14 12:24	
Decachlorobiphenyl (S)	%.	64	40-140	08/05/14 11:41	
Tetrachloro-m-xylene (S)	%.	60	40-140	08/05/14 12:24	

LABORATORY CONTROL SAMPLE: 89246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	1	0.82	82	40-140	
4,4'-DDE	ug/L	1	0.81	81	40-140	
4,4'-DDT	ug/L	1	0.88	88	10-147	
Aldrin	ug/L	1	0.67	67	40-140	
alpha-BHC	ug/L	1	0.79	79	40-140	
alpha-Chlordane	ug/L	1	0.80	80	40-140	
beta-BHC	ug/L	1	0.91	91	40-140	
delta-BHC	ug/L	1	0.86	86	40-140	
Dieldrin	ug/L	1	0.82	82	40-140	
Endosulfan I	ug/L	1	0.81	81	40-140	
Endosulfan II	ug/L	1	0.83	83	40-140	
Endosulfan sulfate	ug/L	1	0.86	86	40-155	
Endrin	ug/L	1	0.87	87	40-145	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

LABORATORY CONTROL SAMPLE: 89246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/L	1	0.86	86	40-140	
Endrin ketone	ug/L	1	0.83	83	40-140	
gamma-BHC (Lindane)	ug/L	1	0.83	83	40-140	
gamma-Chlordane	ug/L	1	0.78	78	40-140	
Heptachlor	ug/L	1	0.70	70	40-140	
Heptachlor epoxide	ug/L	1	0.78	78	40-140	
Methoxychlor	ug/L	1	0.91	91	10-157	
Toxaphene	ug/L		ND			
Decachlorobiphenyl (S)	%.			62	40-140	
Tetrachloro-m-xylene (S)	%.			64	40-140	

MATRIX SPIKE SAMPLE: 89247

Parameter	Units	60174820001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	ND	1	0.70	70	40-140	
4,4'-DDE	ug/L	ND	1	0.82	82	40-140	
4,4'-DDT	ug/L	ND	1	0.82	82	40-140	
Aldrin	ug/L	ND	1	0.68	68	40-140	
alpha-BHC	ug/L	ND	1	0.94	94	40-140	
alpha-Chlordane	ug/L	ND	1	0.79	79	40-140	
beta-BHC	ug/L	ND	1	1.0	105	40-140	
delta-BHC	ug/L	ND	1	0.92	92	40-140	
Dieldrin	ug/L	ND	1	0.88	88	40-140	
Endosulfan I	ug/L	ND	1	0.82	82	40-140	
Endosulfan II	ug/L	ND	1	0.88	88	40-140	
Endosulfan sulfate	ug/L	ND	1	0.82	82	40-140	
Endrin	ug/L	ND	1	0.92	92	40-140	
Endrin aldehyde	ug/L	ND	1	0.77	77	40-140	
Endrin ketone	ug/L	ND	1	0.84	84	40-140	
gamma-BHC (Lindane)	ug/L	ND	1	0.96	96	40-140	
gamma-Chlordane	ug/L	ND	1	0.81	81	40-140	
Heptachlor	ug/L	ND	1	0.81	81	40-140	
Heptachlor epoxide	ug/L	ND	1	0.85	85	40-140	
Methoxychlor	ug/L	ND	1	0.89	89	40-140	
Toxaphene	ug/L	ND		ND			
Decachlorobiphenyl (S)	%.				58	40-140	
Tetrachloro-m-xylene (S)	%.				65	40-140	

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: OEXT/45371 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 60174820001

METHOD BLANK: 1419028 Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.25	08/04/14 21:34	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.25	08/04/14 21:34	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.25	08/04/14 21:34	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.25	08/04/14 21:34	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.25	08/04/14 21:34	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.25	08/04/14 21:34	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.25	08/04/14 21:34	
Decachlorobiphenyl (S)	%	85	15-115	08/04/14 21:34	

LABORATORY CONTROL SAMPLE: 1419029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.3	93	48-124	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.7	108	48-125	
Decachlorobiphenyl (S)	%			83	15-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1419030 1419031

Parameter	Units	60174260003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	2.5	2.5	2.8	3.0	114	119	20-149	4	28	
PCB-1260 (Aroclor 1260)	ug/L	ND	2.5	2.5	2.5	2.7	101	107	36-129	6	23	
Decachlorobiphenyl (S)	%						75	75	15-115			

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: OEXT/4368
QC Batch Method: EPA 8151
Analysis Method: EPA 8151
Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 60174820001

METHOD BLANK: 89275 Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	0.50	08/06/14 13:48	
2,4,5-TP (Silvex)	ug/L	ND	0.50	08/06/14 13:48	
2,4-D	ug/L	ND	0.50	08/06/14 13:48	
2,4-DB	ug/L	ND	0.50	08/06/14 13:48	
Dalapon	ug/L	ND	0.50	08/06/14 13:48	
Dicamba	ug/L	ND	0.50	08/06/14 13:48	
Dichloroprop	ug/L	ND	0.50	08/06/14 13:48	
Dinoseb	ug/L	ND	0.50	08/06/14 13:48	N2
MCPA	ug/L	ND	20.0	08/06/14 13:48	
MCPP	ug/L	ND	20.0	08/06/14 13:48	
2,4-DCAA (S)	%.	121	40-140	08/06/14 13:48	

LABORATORY CONTROL SAMPLE: 89276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2	2.5	126	10-140	
2,4,5-TP (Silvex)	ug/L	2	2.3	117	10-140	
2,4-D	ug/L	2	2.4	118	40-140	
2,4-DB	ug/L	2	2.5	127	40-140	
Dalapon	ug/L	2	2.3	117	10-140	
Dicamba	ug/L	2	2.1	103	40-140	
Dichloroprop	ug/L	2	2.2	112	40-140	
Dinoseb	ug/L	2	2.6	130	10-140	N2
MCPA	ug/L	200	231	116	10-140	
MCPP	ug/L	200	269	135	40-140	
2,4-DCAA (S)	%.			118	40-140	

MATRIX SPIKE SAMPLE: 89277

Parameter	Units	60174820001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	ND	2	3.1	153	10-140	M1
2,4,5-TP (Silvex)	ug/L	ND	2	3.0	148	10-140	M1
2,4-D	ug/L	ND	2	3.8	191	40-140	M1
2,4-DB	ug/L	ND	2	5.3	266	40-140	M1
Dalapon	ug/L	ND	2	1.7	87	10-140	
Dicamba	ug/L	ND	2	2.9	147	40-140	M1
Dichloroprop	ug/L	ND	2	3.5	175	40-140	M1
Dinoseb	ug/L	ND	2	2.1	105	10-140	N2

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

MATRIX SPIKE SAMPLE: 89277

Parameter	Units	60174820001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
MCPA	ug/L	ND	200	340	170	10-140	M1
MCPP	ug/L	ND	200	391	196	40-140	M1
2,4-DCAA (S)	%.				185	40-140	S0

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(913)599-5665

QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

QC Batch: OEXT/45379
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 60174820001

METHOD BLANK: 1419083
Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/03/14 13:41	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/03/14 13:41	
1,2-Diphenylhydrazine	ug/L	ND	5.0	08/03/14 13:41	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/03/14 13:41	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/03/14 13:41	
1-Methylnaphthalene	ug/L	ND	5.0	08/03/14 13:41	
2,4,5-Trichlorophenol	ug/L	ND	5.0	08/03/14 13:41	
2,4,6-Trichlorophenol	ug/L	ND	5.0	08/03/14 13:41	
2,4-Dichlorophenol	ug/L	ND	5.0	08/03/14 13:41	
2,4-Dimethylphenol	ug/L	ND	5.0	08/03/14 13:41	
2,4-Dinitrophenol	ug/L	ND	25.0	08/03/14 13:41	
2,4-Dinitrotoluene	ug/L	ND	5.0	08/03/14 13:41	
2,6-Dinitrotoluene	ug/L	ND	5.0	08/03/14 13:41	
2-Chloronaphthalene	ug/L	ND	5.0	08/03/14 13:41	
2-Chlorophenol	ug/L	ND	5.0	08/03/14 13:41	
2-Methylnaphthalene	ug/L	ND	5.0	08/03/14 13:41	
2-Methylphenol(o-Cresol)	ug/L	ND	5.0	08/03/14 13:41	
2-Nitroaniline	ug/L	ND	5.0	08/03/14 13:41	
2-Nitrophenol	ug/L	ND	5.0	08/03/14 13:41	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5.0	08/03/14 13:41	
3,3'-Dichlorobenzidine	ug/L	ND	10.0	08/03/14 13:41	
3-Nitroaniline	ug/L	ND	5.0	08/03/14 13:41	
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	08/03/14 13:41	
4-Bromophenylphenyl ether	ug/L	ND	5.0	08/03/14 13:41	
4-Chloro-3-methylphenol	ug/L	ND	5.0	08/03/14 13:41	
4-Chloroaniline	ug/L	ND	5.0	08/03/14 13:41	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	08/03/14 13:41	
4-Nitroaniline	ug/L	ND	5.0	08/03/14 13:41	
4-Nitrophenol	ug/L	ND	25.0	08/03/14 13:41	
Acenaphthene	ug/L	ND	5.0	08/03/14 13:41	
Acenaphthylene	ug/L	ND	5.0	08/03/14 13:41	
Aniline	ug/L	ND	5.0	08/03/14 13:41	
Anthracene	ug/L	ND	5.0	08/03/14 13:41	
Benzidine	ug/L	ND	25.0	08/03/14 13:41	
Benzo(a)anthracene	ug/L	ND	5.0	08/03/14 13:41	
Benzo(a)pyrene	ug/L	ND	5.0	08/03/14 13:41	
Benzo(b)fluoranthene	ug/L	ND	5.0	08/03/14 13:41	
Benzo(g,h,i)perylene	ug/L	ND	5.0	08/03/14 13:41	
Benzo(k)fluoranthene	ug/L	ND	5.0	08/03/14 13:41	
Benzoic acid	ug/L	ND	50.0	08/03/14 13:41	
Benzyl alcohol	ug/L	ND	5.0	08/03/14 13:41	

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REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

METHOD BLANK: 1419083 Matrix: Water
Associated Lab Samples: 60174820001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	ND	5.0	08/03/14 13:41	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	08/03/14 13:41	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	08/03/14 13:41	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	08/03/14 13:41	
Butylbenzylphthalate	ug/L	ND	5.0	08/03/14 13:41	
Carbazole	ug/L	ND	5.0	08/03/14 13:41	
Chrysene	ug/L	ND	5.0	08/03/14 13:41	
Di-n-butylphthalate	ug/L	ND	5.0	08/03/14 13:41	
Di-n-octylphthalate	ug/L	ND	5.0	08/03/14 13:41	
Dibenz(a,h)anthracene	ug/L	ND	5.0	08/03/14 13:41	
Dibenzofuran	ug/L	ND	5.0	08/03/14 13:41	
Diethylphthalate	ug/L	ND	5.0	08/03/14 13:41	
Dimethylphthalate	ug/L	ND	5.0	08/03/14 13:41	
Fluoranthene	ug/L	ND	5.0	08/03/14 13:41	
Fluorene	ug/L	ND	5.0	08/03/14 13:41	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/03/14 13:41	
Hexachlorobenzene	ug/L	ND	5.0	08/03/14 13:41	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/03/14 13:41	
Hexachloroethane	ug/L	ND	5.0	08/03/14 13:41	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	08/03/14 13:41	
Isophorone	ug/L	ND	5.0	08/03/14 13:41	
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	08/03/14 13:41	
N-Nitrosodimethylamine	ug/L	ND	5.0	08/03/14 13:41	
N-Nitrosodiphenylamine	ug/L	ND	5.0	08/03/14 13:41	
Naphthalene	ug/L	ND	5.0	08/03/14 13:41	
Nitrobenzene	ug/L	ND	5.0	08/03/14 13:41	
Pentachlorophenol	ug/L	ND	25.0	08/03/14 13:41	
Phenanthrene	ug/L	ND	5.0	08/03/14 13:41	
Phenol	ug/L	ND	5.0	08/03/14 13:41	
Pyrene	ug/L	ND	5.0	08/03/14 13:41	
Pyridine	ug/L	ND	10.0	08/03/14 13:41	
2,4,6-Tribromophenol (S)	%	75	29-121	08/03/14 13:41	
2-Fluorobiphenyl (S)	%	83	19-124	08/03/14 13:41	
2-Fluorophenol (S)	%	52	13-120	08/03/14 13:41	
Nitrobenzene-d5 (S)	%	93	10-135	08/03/14 13:41	
Phenol-d6 (S)	%	33	10-120	08/03/14 13:41	
Terphenyl-d14 (S)	%	89	24-131	08/03/14 13:41	

LABORATORY CONTROL SAMPLE: 1419084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.1	76	45-120	
1,2-Dichlorobenzene	ug/L	50	38.5	77	45-120	
1,2-Diphenylhydrazine	ug/L	50	42.9	86	49-120	

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REPORT OF LABORATORY ANALYSIS

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(913)599-5665

QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

LABORATORY CONTROL SAMPLE: 1419084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	37.3	75	44-120	
1,4-Dichlorobenzene	ug/L	50	37.0	74	44-120	
1-Methylnaphthalene	ug/L	50	40.4	81	41-120	
2,4,5-Trichlorophenol	ug/L	50	37.7	75	50-120	
2,4,6-Trichlorophenol	ug/L	50	37.8	76	49-120	
2,4-Dichlorophenol	ug/L	50	39.3	79	48-120	
2,4-Dimethylphenol	ug/L	50	37.3	75	35-120	
2,4-Dinitrophenol	ug/L	50	39.8	80	21-120	
2,4-Dinitrotoluene	ug/L	50	41.1	82	52-120	
2,6-Dinitrotoluene	ug/L	50	41.0	82	53-120	
2-Chloronaphthalene	ug/L	50	38.8	78	49-120	
2-Chlorophenol	ug/L	50	38.3	77	47-120	
2-Methylnaphthalene	ug/L	50	41.0	82	46-120	
2-Methylphenol(o-Cresol)	ug/L	50	34.0	68	40-120	
2-Nitroaniline	ug/L	50	42.1	84	51-120	
2-Nitrophenol	ug/L	50	41.1	82	47-120	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.6	61	34-120	
3,3'-Dichlorobenzidine	ug/L	50	68.1	136	28-160	
3-Nitroaniline	ug/L	50	57.7	115	43-157	
4,6-Dinitro-2-methylphenol	ug/L	50	40.3	81	42-120	
4-Bromophenylphenyl ether	ug/L	50	39.7	79	52-120	
4-Chloro-3-methylphenol	ug/L	50	39.7	79	48-120	
4-Chloroaniline	ug/L	50	62.0	124	24-160	
4-Chlorophenylphenyl ether	ug/L	50	37.6	75	53-120	
4-Nitroaniline	ug/L	50	42.4	85	50-120	
4-Nitrophenol	ug/L	50	14.9J	30	10-120	
Acenaphthene	ug/L	50	41.1	82	50-120	
Acenaphthylene	ug/L	50	41.0	82	49-120	
Aniline	ug/L	50	46.3	93	50-150	
Anthracene	ug/L	50	42.5	85	52-120	
Benzidine	ug/L	50	25.4	51	1-143	
Benzo(a)anthracene	ug/L	50	43.1	86	53-120	
Benzo(a)pyrene	ug/L	50	43.3	87	51-120	
Benzo(b)fluoranthene	ug/L	50	41.9	84	51-120	
Benzo(g,h,i)perylene	ug/L	50	43.7	87	52-120	
Benzo(k)fluoranthene	ug/L	50	45.9	92	51-120	
Benzoic acid	ug/L	50	ND	14	10-120	
Benzyl alcohol	ug/L	50	37.7	75	39-120	
bis(2-Chloroethoxy)methane	ug/L	50	42.9	86	50-120	
bis(2-Chloroethyl) ether	ug/L	50	42.4	85	48-120	
bis(2-Chloroisopropyl) ether	ug/L	50	48.4	97	49-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	47.7	95	52-123	
Butylbenzylphthalate	ug/L	50	44.4	89	52-120	
Carbazole	ug/L	50	42.7	85	55-120	
Chrysene	ug/L	50	44.4	89	53-120	
Di-n-butylphthalate	ug/L	50	44.3	89	49-125	
Di-n-octylphthalate	ug/L	50	46.8	94	51-121	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CLEAN HARBORS
Pace Project No.: 60174820

LABORATORY CONTROL SAMPLE: 1419084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/L	50	44.2	88	51-120	
Dibenzofuran	ug/L	50	39.6	79	51-120	
Diethylphthalate	ug/L	50	39.8	80	53-120	
Dimethylphthalate	ug/L	50	40.1	80	52-120	
Fluoranthene	ug/L	50	46.4	93	53-120	
Fluorene	ug/L	50	39.2	78	52-120	
Hexachloro-1,3-butadiene	ug/L	50	33.5	67	42-120	
Hexachlorobenzene	ug/L	50	37.6	75	52-120	
Hexachlorocyclopentadiene	ug/L	100	53.2	53	26-120	
Hexachloroethane	ug/L	50	36.0	72	43-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.7	87	51-120	
Isophorone	ug/L	50	42.5	85	50-120	
N-Nitroso-di-n-propylamine	ug/L	50	42.8	86	50-120	
N-Nitrosodimethylamine	ug/L	50	27.3	55	28-120	
N-Nitrosodiphenylamine	ug/L	50	38.6	77	53-120	
Naphthalene	ug/L	50	40.1	80	48-120	
Nitrobenzene	ug/L	50	42.8	86	47-120	
Pentachlorophenol	ug/L	50	39.1	78	43-120	
Phenanthrene	ug/L	50	42.8	86	53-120	
Phenol	ug/L	50	18.6	37	12-120	
Pyrene	ug/L	50	42.8	86	54-120	
Pyridine	ug/L	50	13.6	27	10-120	
2,4,6-Tribromophenol (S)	%			73	29-121	
2-Fluorobiphenyl (S)	%			76	19-124	
2-Fluorophenol (S)	%			49	13-120	
Nitrobenzene-d5 (S)	%			83	10-135	
Phenol-d6 (S)	%			32	10-120	
Terphenyl-d14 (S)	%			83	24-131	

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QUALIFIERS

Project: CLEAN HARBORS
Pace Project No.: 60174820

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-D	Pace Analytical Services - Dallas
PASI-K	Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: OEXT/45379

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/63318

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold TNI accreditation for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CLEAN HARBORS
Pace Project No.: 60174820

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60174820001	**BLD. D RM. 7**	EPA 3510	OEXT/4367	EPA 8081	GCSV/2827
60174820001	**BLD. D RM. 7**	EPA 3510	OEXT/45371	EPA 8082	GCSV/17328
60174820001	**BLD. D RM. 7**	EPA 8151	OEXT/4368	EPA 8151	GCSV/2828
60174820001	**BLD. D RM. 7**	EPA 3010	MPRP/28319	EPA 6010	ICP/21380
60174820001	**BLD. D RM. 7**	EPA 7470	MERP/8657	EPA 7470	MERC/8608
60174820001	**BLD. D RM. 7**	EPA 3510	OEXT/45379	EPA 8270	MSSV/14545
60174820001	**BLD. D RM. 7**	EPA 5030B/8260	MSV/63318		
60174820002	**TRIP BLANK**	EPA 5030B/8260	MSV/63318		

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Sample Condition Upon Receipt

WO# : 60174820

60174820

Client Name: ISI

Optional
Proj Due Date:
Proj Name:

Courier: Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other ☒ Exp

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other ☑ ZPIC

Thermometer Used: T-239 / T-194 **Type of Ice:** (Wet) Blue None ☐ Samples received on ice, cooling process has begun.
(circle one)

Cooler Temperature: 1.6

Date and initials of person examining contents: JV 8/11/14

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	7. 3Day
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	9.
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	12.
Sample labels match COC:	☑Yes ☐No ☐N/A	
Includes date/time/ID/analyses Matrix: WT		13.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	14.
Exceptions: (VOA), coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed / Lot # of added preservative
Trip Blank present:	☐Yes ☐No ☐N/A	
Pace Trip Blank lot # (if purchased): 061614-3		15.
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? (Y) / N Field Data Required? Y / (N)

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 8.12.14

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:

Company:	iSi Environmental
Address:	215 S. Lawa Wichita KS
Email To:	bgerber@isienvironmental.com
Phone:	316-264-7050
Fax:	
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	iSi
Copy To:	
Purchase Order No.:	
Project Name:	Clean Harbors
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	Clean Harbors
Address:	
Pace Quote Reference:	
Pace Project Manager:	Sherri Rosenstangle
Pace Profile #:	7739.1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: KS

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	8260 VOC	8270 SVOC	8082 PCB's	8081 Pesticides	8151 Herbicides	6010/7470 Metals*							Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Bld D Rm 7	WT	G			7-31-14	1350		12	X		X							X	X	X	X	X	X	4	4	6	4	1	8	P3	N	60174832 3DG9U W1
2	Trip Blank								2										X													2DG9U W2
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Metals List on File	Brady Gerber / iSi	7-31-14	1530	[signature] PASE	7/31/14	2225	1.6	Y	Y	Y
3 Day TAT Requested										
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brady Gerber

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/31/14

F-ALL-Q-020rev 07, 15-Feb-2007

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

February 17, 2014

Muna Mohammed
Accutest Laboratories
4405 Vineland Road Suite C-15
Orlando, FL 32811
TEL: 407-425-6700
FAX: 407-425-0707

RE: FA12103X

Order No.: 14020044

Dear Muna Mohammed:

Summit Environmental Technologies, Inc. received 2 sample(s) on 2/1/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dr. Mo Osman

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **14020044**

17-Feb-14

CLIENT: Accutest Laboratories
Project: FA12103X

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14020044-001	FA12103-6X		1/30/2014 2:20:00 PM	2/1/2014 11:00:00 AM	Non-Potable Water
14020044-002	FA12103-9X		1/30/2014 3:45:00 PM	2/1/2014 11:00:00 AM	Non-Potable Water

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WO#: **14020044**
Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/1/2014
Project#: FA12103X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12103-6X	001	1/30/2014	2378-TCDF	70	pg/L		Non-Potable Water	EPA 1613 B	1	0.81	1.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	12378-PeCDF	7.9	pg/L		Non-Potable Water	EPA 1613 B	1	2.3	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	23478-PeCDF	14	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	123478-HxCDF	45	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	123678-HxCDF	18	pg/L		Non-Potable Water	EPA 1613 B	1	3.1	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	234678-HxCDF	16	pg/L		Non-Potable Water	EPA 1613 B	1	3.5	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	123789-HxCDF	ND	pg/L		Non-Potable Water	EPA 1613 B	1	2.7	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	1234678-HpCDF	350	pg/L		Non-Potable Water	EPA 1613 B	1	2.4	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	1234789-HpCDF	38	pg/L		Non-Potable Water	EPA 1613 B	1	9.6	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	OCDF	1100	pg/L		Non-Potable Water	EPA 1613 B	1	8.8	10	2/14/2014	CM
FA12103-6X	001	1/30/2014	2378-TCDD	3.3	pg/L		Non-Potable Water	EPA 1613 B	1	0.75	1.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	12378-PeCDD	8.6	pg/L		Non-Potable Water	EPA 1613 B	1	4.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	123478-HxCDD	20	pg/L		Non-Potable Water	EPA 1613 B	1	4.5	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	123678-HxCDD	60	pg/L		Non-Potable Water	EPA 1613 B	1	2.5	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	123789HxCDD	23	pg/L		Non-Potable Water	EPA 1613 B	1	4.4	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	1234678-HpCDD	3200	pg/L		Non-Potable Water	EPA 1613 B	1	2.9	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	OCDD	39000	pg/L		Non-Potable Water	EPA 1613 B	1	5.8	10	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-2378-TCDF	67.6	%REC		Non-Potable Water	EPA 1613 B	1		22-152	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-12378-PeCDF	72.1	%REC		Non-Potable Water	EPA 1613 B	1		21-192	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-23478-PeCDF	67.5	%REC		Non-Potable Water	EPA 1613 B	1		13-328	2/14/2014	CM

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Date Reported: **2/17/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
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Received: 2/1/2014
Project#: FA12103X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12103-6X	001	1/30/2014	Surr: 13C-123478-HxCDF	76.0	%REC		Non-Potable Water	EPA 1613 B	1		19-202	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-123678-HxCDF	74.9	%REC		Non-Potable Water	EPA 1613 B	1		21-159	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-234678-HxCDF	71.6	%REC		Non-Potable Water	EPA 1613 B	1		17-205	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-123789-HxCDF	78.9	%REC		Non-Potable Water	EPA 1613 B	1		22-176	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-1234678-HpCDF	75.1	%REC		Non-Potable Water	EPA 1613 B	1		21-158	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-1234789-HpCDF	76.3	%REC		Non-Potable Water	EPA 1613 B	1		20-186	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-1234-TCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-2378-TCDD	70.8	%REC		Non-Potable Water	EPA 1613 B	1		20-175	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-12378-PeCDD	65.5	%REC		Non-Potable Water	EPA 1613 B	1		21-227	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-123478-HxCDD	64.7	%REC		Non-Potable Water	EPA 1613 B	1		21-193	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-123678-HxCDD	63.6	%REC		Non-Potable Water	EPA 1613 B	1		25-163	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-1234678-HpCDD	62.6	%REC		Non-Potable Water	EPA 1613 B	1		26-166	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-OCDD	32.5	%REC		Non-Potable Water	EPA 1613 B	1		13-199	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 13C-123789-HxCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/14/2014	CM
FA12103-6X	001	1/30/2014	Surr: 37Cl-2378-TCDD	111	%REC		Non-Potable Water	EPA 1613 B	1		35-137	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Tetrafurans	220	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Tetradioxins	ND	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Pentafurans	110	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Pentadioxins	8.6	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Hexafurans	92	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM

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Received: 2/1/2014
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Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12103-6X	001	1/30/2014	Totals-Hexadioxins	300	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Heptafurans	1200	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	Totals-Heptadioxins	6300	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/14/2014	CM
FA12103-6X	001	1/30/2014	TEQ	90	pg/L		Non-Potable Water	EPA 1613 B	1			2/14/2014	CM

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Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12103-9X	002	1/30/2014	2378-TCDF	51	pg/L		Non-Potable Water	EPA 1613 B	1	0.81	1.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	12378-PeCDF	8.0	pg/L		Non-Potable Water	EPA 1613 B	1	2.3	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	23478-PeCDF	9.8	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	123478-HxCDF	18	pg/L		Non-Potable Water	EPA 1613 B	1	3.7	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	123678-HxCDF	13	pg/L		Non-Potable Water	EPA 1613 B	1	3.1	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	234678-HxCDF	11	pg/L		Non-Potable Water	EPA 1613 B	1	3.5	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	123789-HxCDF	7.6	pg/L		Non-Potable Water	EPA 1613 B	1	2.7	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	1234678-HpCDF	160	pg/L		Non-Potable Water	EPA 1613 B	1	2.4	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	1234789-HpCDF	ND	pg/L		Non-Potable Water	EPA 1613 B	1	9.6	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	OCDF	530	pg/L		Non-Potable Water	EPA 1613 B	1	8.8	10	2/11/2014	CM
FA12103-9X	002	1/30/2014	2378-TCDD	ND	pg/L		Non-Potable Water	EPA 1613 B	1	0.75	1.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	12378-PeCDD	ND	pg/L		Non-Potable Water	EPA 1613 B	1	4.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	123478-HxCDD	16	pg/L		Non-Potable Water	EPA 1613 B	1	4.5	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	123678-HxCDD	32	pg/L		Non-Potable Water	EPA 1613 B	1	2.5	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	123789HxCDD	12	pg/L		Non-Potable Water	EPA 1613 B	1	4.4	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	1234678-HpCDD	1300	pg/L		Non-Potable Water	EPA 1613 B	1	2.9	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	OCDD	17000	pg/L		Non-Potable Water	EPA 1613 B	1	5.8	10	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-2378-TCDF	42.0	%REC		Non-Potable Water	EPA 1613 B	1		22-152	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-12378-PeCDF	42.4	%REC		Non-Potable Water	EPA 1613 B	1		21-192	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-23478-PeCDF	39.1	%REC		Non-Potable Water	EPA 1613 B	1		13-328	2/11/2014	CM

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Received: 2/1/2014
Project#: FA12103X

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12103-9X	002	1/30/2014	Surr: 13C-123478-HxCDF	49.3	%REC		Non-Potable Water	EPA 1613 B	1		19-202	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-123678-HxCDF	44.6	%REC		Non-Potable Water	EPA 1613 B	1		21-159	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-234678-HxCDF	43.4	%REC		Non-Potable Water	EPA 1613 B	1		17-205	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-123789-HxCDF	45.7	%REC		Non-Potable Water	EPA 1613 B	1		22-176	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-1234678-HpCDF	48.6	%REC		Non-Potable Water	EPA 1613 B	1		21-158	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-1234789-HpCDF	49.5	%REC		Non-Potable Water	EPA 1613 B	1		20-186	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-1234-TCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-2378-TCDD	47.2	%REC		Non-Potable Water	EPA 1613 B	1		20-175	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-12378-PeCDD	38.5	%REC		Non-Potable Water	EPA 1613 B	1		21-227	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-123478-HxCDD	37.6	%REC		Non-Potable Water	EPA 1613 B	1		21-193	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-123678-HxCDD	40.4	%REC		Non-Potable Water	EPA 1613 B	1		25-163	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-1234678-HpCDD	40.8	%REC		Non-Potable Water	EPA 1613 B	1		26-166	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-OCDD	18.2	%REC		Non-Potable Water	EPA 1613 B	1		13-199	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 13C-123789-HxCDD	100	%REC		Non-Potable Water	EPA 1613 B	1		100-100	2/11/2014	CM
FA12103-9X	002	1/30/2014	Surr: 37Cl-2378-TCDD	121	%REC		Non-Potable Water	EPA 1613 B	1		35-137	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Tetrafurans	170	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Tetradioxins	ND	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Pentafurans	73	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Pentadioxins	ND	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Hexafurans	57	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM

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Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
FA12103-9X	002	1/30/2014	Totals-Hexadioxins	78	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Heptafurans	410	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	Totals-Heptadioxins	2700	pg/L		Non-Potable Water	EPA 1613 B	1	5.0	5.0	2/11/2014	CM
FA12103-9X	002	1/30/2014	TEQ	42	pg/L		Non-Potable Water	EPA 1613 B	1			2/11/2014	CM

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QC SUMMARY REPORT

WO#: **14020044**

17-Feb-14

Client: Accutest Laboratories
Project: FA12103X

TestCode: **DX-Full_NPW(1613)**

Sample ID **LCS-R13206** SampType: **LCS** TestCode: **DX-Full_NPW** Units: **ng/mL** Prep Date: RunNo: **13206**
Client ID: **LCSW** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/14/2014** SeqNo: **148965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	11	1.0	10.00	0	106	75	158				
12378-PeCDF	52	5.0	50.00	0	104	80	134				
23478-PeCDF	50	5.0	50.00	0	101	68	160				
123478-HxCDF	44	5.0	50.00	0	87.1	72	134				
123678-HxCDF	48	5.0	50.00	0	95.8	84	130				
234678-HxCDF	49	5.0	50.00	0	97.0	70	156				
123789-HxCDF	46	5.0	50.00	0	92.8	78	130				
1234678-HpCDF	44	5.0	50.00	0	88.1	82	122				
1234789-HpCDF	45	5.0	50.00	0	90.8	78	138				
OCDF	100	10	100.0	0	103	63	170				
2378-TCDD	9.2	1.0	10.00	0	92.4	67	158				
12378-PeCDD	49	5.0	50.00	0	97.4	70	142				
123478-HxCDD	51	5.0	50.00	0	101	70	164				
123678-HxCDD	51	5.0	50.00	0	103	70	134				
123789HxCDD	53	5.0	50.00	0	107	64	162				
1234678-HpCDD	53	5.0	50.00	0	106	70	140				
OCDD	94	10	100.0	0	93.7	78	144				
Surr: 13C-2378-TCDF	97		100.0		97.3	22	152				
Surr: 13C-12378-PeCDF	100		100.0		101	21	192				
Surr: 13C-23478-PeCDF	100		100.0		104	13	328				
Surr: 13C-123478-HxCDF	97		100.0		97.4	19	202				
Surr: 13C-123678-HxCDF	52		100.0		51.7	21	159				
Surr: 13C-234678-HxCDF	110		100.0		107	17	205				
Surr: 13C-123789-HxCDF	120		100.0		116	22	176				
Surr: 13C-1234678-HpCDF	110		100.0		113	21	158				
Surr: 13C-1234789-HpCDF	120		100.0		117	20	186				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14020044**
17-Feb-14

Client: Accutest Laboratories
Project: FA12103X **TestCode:** **DX-Full_NPW(1613)**

Sample ID **LCS-R13206**	SampType: **LCS**	TestCode: **DX-Full_NPW**	Units: **ng/mL**	Prep Date:	RunNo: **13206**
Client ID: **LCSW**	Batch ID: **3176**	TestNo: **E1613**	**E1613**	Analysis Date: **2/14/2014**	SeqNo: **148965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 13C-1234-TCDD	100		100.0		100	100	100				
Surr: 13C-2378-TCDD	100		100.0		103	20	175				
Surr: 13C-12378-PeCDD	100		100.0		100	21	227				
Surr: 13C-123478-HxCDD	90		100.0		90.3	21	193				
Surr: 13C-123678-HxCDD	95		100.0		94.6	25	163				
Surr: 13C-1234678-HpCDD	100		100.0		103	26	166				
Surr: 13C-OCDD	100		200.0		50.9	13	199				
Surr: 13C-123789-HxCDD	100		100.0		100	100	100				
Surr: 37Cl-2378-TCDD	94		100.0		94.0	31	191				

Sample ID **LCSD-R13206**	SampType: **LCSD**	TestCode: **DX-Full_NPW**	Units: **ng/mL**	Prep Date:	RunNo: **13206**
Client ID: **LCSS02**	Batch ID: **3176**	TestNo: **E1613**	**E1613**	Analysis Date: **2/14/2014**	SeqNo: **148966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	11	1.0	10.00	0	115	75	158	10.57	8.18	20	
12378-PeCDF	59	5.0	50.00	0	117	80	134	51.79	12.2	20	
23478-PeCDF	53	5.0	50.00	0	106	68	160	50.32	5.58	20	
123478-HxCDF	47	5.0	50.00	0	94.0	72	134	43.56	7.61	20	
123678-HxCDF	54	5.0	50.00	0	107	84	130	47.91	11.1	20	
234678-HxCDF	51	5.0	50.00	0	102	70	156	48.51	5.19	20	
123789-HxCDF	49	5.0	50.00	0	98.5	78	130	46.41	5.93	20	
1234678-HpCDF	46	5.0	50.00	0	92.0	82	122	44.04	4.36	20	
1234789-HpCDF	48	5.0	50.00	0	96.2	78	138	45.39	5.77	20	
OCDF	110	10	100.0	0	114	63	170	102.8	10.3	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14020044**

17-Feb-14

Client: Accutest Laboratories
Project: FA12103X

TestCode: **DX-Full_NPW(1613)**

Sample ID **LCSD-R13206** SampType: **LCSD** TestCode: **DX-Full_NPW** Units: **ng/mL** Prep Date: RunNo: **13206**
Client ID: **LCSS02** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/14/2014** SeqNo: **148966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDD	9.5	1.0	10.00	0	94.7	67	158	9.241	2.49	20	
12378-PeCDD	51	5.0	50.00	0	103	70	142	48.68	5.60	20	
123478-HxCDD	55	5.0	50.00	0	110	70	164	50.56	8.63	20	
123678-HxCDD	54	5.0	50.00	0	108	70	134	51.33	5.38	20	
123789HxCDD	54	5.0	50.00	0	109	64	162	53.36	1.94	20	
1234678-HpCDD	55	5.0	50.00	0	109	70	140	52.82	3.53	20	
OCDD	100	10	100.0	0	102	78	144	93.68	8.50	20	
Surr: 13C-2378-TCDF	97		100.0		96.7	22	152		0	0	
Surr: 13C-12378-PeCDF	99		100.0		98.7	21	192		0	0	
Surr: 13C-23478-PeCDF	98		100.0		98.0	13	328		0	0	
Surr: 13C-123478-HxCDF	96		100.0		95.5	19	202		0	0	
Surr: 13C-123678-HxCDF	98		100.0		98.5	21	159		0	0	
Surr: 13C-234678-HxCDF	110		100.0		111	17	205		0	0	
Surr: 13C-123789-HxCDF	120		100.0		117	22	176		0	0	
Surr: 13C-1234678-HpCDF	120		100.0		119	21	158		0	0	
Surr: 13C-1234789-HpCDF	120		100.0		124	20	186		0	0	
Surr: 13C-1234-TCDD	100		100.0		100	100	100		0	0	
Surr: 13C-2378-TCDD	100		100.0		102	20	175		0	0	
Surr: 13C-12378-PeCDD	94		100.0		94.5	21	227		0	0	
Surr: 13C-123478-HxCDD	99		100.0		98.9	21	193		0	0	
Surr: 13C-123678-HxCDD	97		100.0		96.8	25	163		0	0	
Surr: 13C-1234678-HpCDD	100		100.0		105	26	166		0	0	
Surr: 13C-OCDD	110		200.0		52.6	13	199		0	0	
Surr: 13C-123789-HxCDD	100		100.0		100	100	100		0	0	
Surr: 37Cl-2378-TCDD	100		100.0		101	31	191		0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14020044**

17-Feb-14

Client: Accutest Laboratories
Project: FA12103X **TestCode:** **DX-Full_NPW(1613)**

Sample ID	**MB-R13206**	SampType:	**MBLK**	TestCode:	**DX-Full_NPW**	Units:	**pg/L**	Prep Date:		RunNo:	**13206**
Client ID:	**PBW**	Batch ID:	**3176**	TestNo:	**E1613**	**E1613**		Analysis Date:	**2/10/2014**	SeqNo:	**148967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	ND	1.0									
12378-PeCDF	ND	5.0									
23478-PeCDF	ND	5.0									
123478-HxCDF	ND	5.0									
123678-HxCDF	ND	5.0									
234678-HxCDF	ND	5.0									
123789-HxCDF	ND	5.0									
1234678-HpCDF	ND	5.0									
1234789-HpCDF	ND	5.0									
OCDF	ND	10									
2378-TCDD	ND	1.0									
12378-PeCDD	ND	5.0									
123478-HxCDD	ND	5.0									
123678-HxCDD	ND	5.0									
123789HxCDD	ND	5.0									
1234678-HpCDD	ND	5.0									
OCDD	ND	10									
Totals-Tetrafurans	ND	5.0									
Totals-Tetradioxins	ND	5.0									
Totals-Pentafurans	ND	5.0									
Totals-Pentadioxins	ND	5.0									
Totals-Hexafurans	ND	5.0									
Totals-Hexadioxins	ND	5.0									
Totals-Heptafurans	ND	5.0									
Totals-Heptadioxins	ND	5.0									
Surr: 13C-2378-TCDF	76		100.0		76.0	22	152				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14020044**

17-Feb-14

Client: Accutest Laboratories
Project: FA12103X **TestCode:** **DX-Full_NPW(1613)**

Sample ID **MB-R13206** SampType: **MBLK** TestCode: **DX-Full_NPW** Units: **pg/L** Prep Date: RunNo: **13206**
Client ID: **PBW** Batch ID: **3176** TestNo: **E1613** **E1613** Analysis Date: **2/10/2014** SeqNo: **148967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 13C-12378-PeCDF	80		100.0		79.8	21	192				
Surr: 13C-23478-PeCDF	75		100.0		74.9	13	328				
Surr: 13C-123478-HxCDF	120		100.0		118	19	202				
Surr: 13C-123678-HxCDF	100		100.0		102	21	159				
Surr: 13C-234678-HxCDF	88		100.0		88.1	17	205				
Surr: 13C-123789-HxCDF	100		100.0		103	22	176				
Surr: 13C-1234678-HpCDF	100		100.0		103	21	158				
Surr: 13C-1234789-HpCDF	120		100.0		122	20	186				
Surr: 13C-1234-TCDD	100		100.0		100	100	100				
Surr: 13C-2378-TCDD	80		100.0		80.5	20	175				
Surr: 13C-12378-PeCDD	76		100.0		75.9	21	227				
Surr: 13C-123478-HxCDD	110		100.0		107	21	193				
Surr: 13C-123678-HxCDD	86		100.0		86.1	25	163				
Surr: 13C-1234678-HpCDD	92		100.0		92.2	26	166				
Surr: 13C-OCDD	95		200.0		47.7	13	199				
Surr: 13C-123789-HxCDD	100		100.0		100	100	100				
Surr: 37Cl-2378-TCDD	87		100.0		86.7	31	191				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
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P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Accutest Laboratories Southeast
Subcontract Chain of Custody

4405 Vineland Road, Suite C-15, Orlando, Fl 32811
TEL: 407-425-6700 FAX: 407-425-0707
www.accutest.com

PAGE 1 OF 1

Client / Reporting Information

Company Name: Accutest Laboratories
Address: 4405 Vineland Rd.
City: Orlando State: FL Zip: 32811
Phone #: (407) 425-6700 Fax#: (407) 425-0707

Project Information

Project Name: FA12103X
Please send report to dawnd@accutest.com
For any other issues contact munam@accutest.com

Analytical Information

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Lab ID #	Sample ID	COLLECTION DATE	TIME	SAMPLED BY	CONTAINER INFORMATION MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	DIOXINS / FURANS	LAB USE ONLY
6X	BLD D RMS 1A & 1B	01/30/14	14:20		WW	2		X								X	
9X	BLD D RMS 5A - 5D	01/30/14	15:45		WW	2		X								X	

1402044-01-02S

Turnaround Time (Business days)

Std. 10 Business Days
7 Day *RUSH*
5 Day *RUSH*
3 Day *EMERGENCY*
2 Day *EMERGENCY*
1 Day *EMERGENCY*
Other

Approved By: / Date/Rush Code:
Due 02-07-14

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Ship to Laboratory - Summit
Approved by - @

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1	01/31/14 1700	2	3 FD		4
Relinquished by/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
5		6	7	2/1/14 1100	8 Steph Summit

Lab Use Only : Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved Where Applicable: Y N Total # of Coolers: ____ Cooler Temperature (s) Celsius: ____

Rev. 12
Date: 07/27/13

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Initials of person inspecting cooler and samples: SH

Client: Accutest

Order Number: _____

Date Received: 2/1/14 Time Received: 11:00 Date cooler(s) opened and samples inspected: 2/3/14

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: _____

Packaging: Peanuts Bubble Wrap Paper Foam None Other: _____

Tape on cooler/box	Y	N	N/A
Custody Seals intact	Y	N	N/A
C-O-C in plastic	Y	N	N/A
Ice X Blue ice _____	present / absent / melted		N/A
Sample Temperature IR Gun #16020459 CF _____ °C	2.6 °C		N/A
Radiological Testing Instrument serial #35127 (see page 2 for scan results)	Y	N	N/A

****Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.**

C-O-C filled out properly	Y	N	N/A
Samples in separate bags	Y	N	N/A
Sample containers intact*	Y	N	N/A

*If no, list broken sample(s): _____

Sample label(s) complete (ID, date, etc.)	Y	N	N/A
Label(s) agree with C-O-C	Y	N	N/A
Correct containers used	Y	N	N/A
Sufficient sample received	Y	N	N/A
Bubbles absent from 40 mL vials**	Y	N	N/A

** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm. _____

Was client contacted about samples	Y	N
Will client send new samples	Y	N

Client contact: _____

Date/Time: _____

Logged in by: _____

Comments: _____

Summit Environmental Technologies, Inc.
Sample Receipt

pH test on samples

Client ID	Test	pH
U		U
		U
9		U
		U

Radiological scan on sample

Client ID	scan	CPM

Southeast
ACCUTEST LABORATORIES

02/12/14

Technical Report for

ISI Environmental Services

Clean Harbors; KS

Accutest Job Number: FA12080

Sampling Date: 01/28/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **150**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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8.2: Prep QC MP26787: Hg 146

Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; KS

Job No: FA12080

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12080-1	01/28/14	12:15	BG	01/30/14	AQ	Water	BLD B RM 6
FA12080-2	01/28/14	13:35	BG	01/30/14	AQ	Water	BLD B RM 7
FA12080-3	01/28/14	14:10	BG	01/30/14	AQ	Water	BLD B RM 4
FA12080-4	01/28/14	14:30	BG	01/30/14	AQ	Water	BLD B RM 5
FA12080-4F	01/28/14	14:30	BG	01/30/14	AQ	Water Filtered	BLD B RM 5
FA12080-5	01/28/14	15:15	BG	01/30/14	AQ	Water	BLD B RM 3
FA12080-6	01/28/14	16:00	BG	01/30/14	AQ	Water	BLD B RM 2
FA12080-7	01/28/14	16:20	BG	01/30/14	AQ	Water	BLD B RM 1
FA12080-8	01/28/14	16:45	BG	01/30/14	AQ	Water	TAP WATER
FA12080-9	01/28/14	00:00	BG	01/30/14	AQ	Trip Blank Water	TRIP BLANK
FA12080-10	01/28/14	17:00	BG	01/31/14	AQ	Water	BLD B RMS 4-7
FA12080-11	01/28/14	17:00	BG	01/31/14	AQ	Water	BLD B RMS 1-3

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12080-1	**BLD B RM 6**					
Benzene		1.9	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.40 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		4.2 J	5.0	1.0	ug/l	SW846 8260B
Methyl chloride		0.72 J	2.0	0.53	ug/l	SW846 8260B
Naphthalene		2.9 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.57 J	2.0	0.24	ug/l	SW846 8260B
Toluene		1.6	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.2 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.57 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		200	190	38	ug/l	SW846 8270D
2-Chlorophenol		0.74 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		2.5 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		4.2 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		9.0	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.86 J	4.7	0.56	ug/l	SW846 8270D
Phenol		96.2	19	1.9	ug/l	SW846 8270D
Acenaphthylene		0.72 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		19.9	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		8.3	4.7	0.94	ug/l	SW846 8270D
1,2-Diphenylhydrazine		1.3 J	4.7	0.64	ug/l	SW846 8270D
Di-n-butyl phthalate		19.8	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		1.7 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		4.7	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene		0.71 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.5 J	4.7	0.47	ug/l	SW846 8270D
2,4-D [a]		12.2 J	19	3.4	ug/l	SW846 8151A
2,4,5-T [a]		2.8	1.9	0.54	ug/l	SW846 8151A
Aluminum		8000	200		ug/l	SW846 6010C
Antimony		18.2	6.0		ug/l	SW846 6010C
Arsenic		13.3	10		ug/l	SW846 6010C
Barium		625	200		ug/l	SW846 6010C
Cadmium		10.9	5.0		ug/l	SW846 6010C
Calcium		302000	1000		ug/l	SW846 6010C
Chromium		163	10		ug/l	SW846 6010C
Copper		212	25		ug/l	SW846 6010C
Iron		13200	300		ug/l	SW846 6010C
Lead		671	5.0		ug/l	SW846 6010C
Magnesium		20900	5000		ug/l	SW846 6010C
Manganese		569	15		ug/l	SW846 6010C
Mercury		3.0	0.50		ug/l	SW846 7470A
Nickel		53.2	40		ug/l	SW846 6010C
Potassium		20600	10000		ug/l	SW846 6010C
Sodium		118000	20000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Strontium		937	10		ug/l	SW846 6010C
Titanium		168	10		ug/l	SW846 6010C
Zinc		4910	20		ug/l	SW846 6010C
FA12080-2	**BLD B RM 7**					
Benzene		3.3	1.0	0.24	ug/l	SW846 8260B
Carbon disulfide		0.25 J	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		0.54 J	1.0	0.28	ug/l	SW846 8260B
2-Hexanone		10.3	10	2.0	ug/l	SW846 8260B
4-Methyl-2-pentanone		8.4	5.0	1.0	ug/l	SW846 8260B
Methyl chloride		0.82 J	2.0	0.53	ug/l	SW846 8260B
Naphthalene		2.2 J	3.0	1.0	ug/l	SW846 8260B
Styrene		0.23 J	1.0	0.23	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.40 J	2.0	0.24	ug/l	SW846 8260B
Toluene		2.0	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.6 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.0	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		685	470	94	ug/l	SW846 8270D
2,4-Dimethylphenol		1.2 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		2.2 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		4.3 J	4.7	1.1	ug/l	SW846 8270D
Phenol		9.3	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		1.3 J	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		8.5	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		2.3 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		5.5	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		16.5	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene		0.78 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		2.3 J	4.7	0.47	ug/l	SW846 8270D
beta-BHC [a]		0.38 J	0.47	0.047	ug/l	SW846 8081B
delta-BHC [a]		0.071 J	0.47	0.047	ug/l	SW846 8081B
Heptachlor [a]		0.10 J	0.47	0.047	ug/l	SW846 8081B
2,4-D [a]		99.9	19	3.4	ug/l	SW846 8151A
2,4,5-T [a]		8.9	1.9	0.54	ug/l	SW846 8151A
Dicamba [a]		5.8	1.9	0.51	ug/l	SW846 8151A
Dichloroprop [b]		7.7 J	19	3.9	ug/l	SW846 8151A
Aluminum		9670	200		ug/l	SW846 6010C
Antimony		15.6	6.0		ug/l	SW846 6010C
Arsenic		10.7	10		ug/l	SW846 6010C
Barium		663	200		ug/l	SW846 6010C
Cadmium		7.9	5.0		ug/l	SW846 6010C
Calcium		324000	1000		ug/l	SW846 6010C
Chromium		202	10		ug/l	SW846 6010C
Copper		208	25		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		15600	300		ug/l	SW846 6010C
Lead		447	5.0		ug/l	SW846 6010C
Magnesium		26100	5000		ug/l	SW846 6010C
Manganese		486	15		ug/l	SW846 6010C
Mercury		1.2	0.50		ug/l	SW846 7470A
Nickel		98.4	40		ug/l	SW846 6010C
Potassium		36100	10000		ug/l	SW846 6010C
Sodium		192000	40000		ug/l	SW846 6010C
Strontium		1390	10		ug/l	SW846 6010C
Titanium		286	10		ug/l	SW846 6010C
Zinc		2560	20		ug/l	SW846 6010C
FA12080-3	**BLD B RM 4**					
Benzene		1.8	1.0	0.24	ug/l	SW846 8260B
Carbon disulfide		0.27 J	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		0.39 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		7.3	5.0	1.0	ug/l	SW846 8260B
Methyl chloride		1.3 J	2.0	0.53	ug/l	SW846 8260B
Naphthalene		1.5 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.30 J	2.0	0.24	ug/l	SW846 8260B
Toluene		1.2	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.1 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.82 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		87.4 J	94	19	ug/l	SW846 8270D
2,4-Dimethylphenol		0.62 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		0.95 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.0 J	4.7	1.1	ug/l	SW846 8270D
Phenol		6.6	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		3.9 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		5.1	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		96.5	9.4	1.9	ug/l	SW846 8270D
Dimethyl phthalate		2.1 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		36.5	4.7	1.5	ug/l	SW846 8270D
Naphthalene		1.0 J	4.7	0.47	ug/l	SW846 8270D
beta-BHC [a]		0.52	0.47	0.047	ug/l	SW846 8081B
delta-BHC [a]		0.12 J	0.47	0.047	ug/l	SW846 8081B
gamma-BHC (Lindane) [a]		0.055 J	0.47	0.047	ug/l	SW846 8081B
Heptachlor [a]		0.086 J	0.47	0.047	ug/l	SW846 8081B
2,4-D [a]		6.7 J	19	3.4	ug/l	SW846 8151A
2,4,5-T [a]		1.2 J	1.9	0.54	ug/l	SW846 8151A
Aluminum		8750	200		ug/l	SW846 6010C
Antimony		10.4	6.0		ug/l	SW846 6010C
Arsenic		12.0	10		ug/l	SW846 6010C
Barium		3160	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cadmium		11.5	5.0		ug/l	SW846 6010C
Calcium		253000	1000		ug/l	SW846 6010C
Chromium		204	10		ug/l	SW846 6010C
Copper		175	25		ug/l	SW846 6010C
Iron		13000	300		ug/l	SW846 6010C
Lead		525	5.0		ug/l	SW846 6010C
Magnesium		25500	5000		ug/l	SW846 6010C
Manganese		599	15		ug/l	SW846 6010C
Mercury		3.0	0.50		ug/l	SW846 7470A
Nickel		48.0	40		ug/l	SW846 6010C
Potassium		22900	10000		ug/l	SW846 6010C
Sodium		131000	40000		ug/l	SW846 6010C
Strontium		1020	10		ug/l	SW846 6010C
Titanium		182	10		ug/l	SW846 6010C
Zinc		5620	20		ug/l	SW846 6010C
FA12080-4	**BLD B RM 5**					
Benzene		0.69 J	1.0	0.24	ug/l	SW846 8260B
Bromodichloromethane		2.5	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.60 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		1.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		2.8	1.0	0.36	ug/l	SW846 8260B
Toluene		0.91 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		0.56 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		1450 J	1900	380	ug/l	SW846 8270D
2,4-Dimethylphenol		0.81 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		1.2 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.8 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.86 J	4.7	0.56	ug/l	SW846 8270D
Phenol		7.2	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		34.4	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		55.9	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		6.9	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		45.8	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.82 J	4.7	0.47	ug/l	SW846 8270D
2,4-D [b]		6.4 J	19	3.4	ug/l	SW846 8151A
Aluminum		7520	200		ug/l	SW846 6010C
Antimony		17.1	6.0		ug/l	SW846 6010C
Arsenic		13.8	10		ug/l	SW846 6010C
Barium		6010	200		ug/l	SW846 6010C
Cadmium		10.5	5.0		ug/l	SW846 6010C
Calcium		228000	1000		ug/l	SW846 6010C
Chromium		583	10		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		281	25		ug/l	SW846 6010C
Iron		12300	300		ug/l	SW846 6010C
Lead		3010	5.0		ug/l	SW846 6010C
Magnesium		25100	5000		ug/l	SW846 6010C
Manganese		537	15		ug/l	SW846 6010C
Mercury		1.6	0.50		ug/l	SW846 7470A
Nickel		75.6	40		ug/l	SW846 6010C
Potassium		23800	10000		ug/l	SW846 6010C
Sodium		227000	40000		ug/l	SW846 6010C
Strontium		1020	10		ug/l	SW846 6010C
Titanium		165	10		ug/l	SW846 6010C
Zinc		6980	20		ug/l	SW846 6010C
FA12080-5	**BLD B RM 3**					
Benzene		0.96 J	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.53 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		1.5 J	5.0	1.0	ug/l	SW846 8260B
Naphthalene		1.2 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.28 J	2.0	0.24	ug/l	SW846 8260B
Toluene		1.6	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.5 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.0	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		171 J	190	38	ug/l	SW846 8270D
2-Chlorophenol		0.50 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		0.49 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		1.8 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		1.0 J	4.7	0.56	ug/l	SW846 8270D
Phenol		82.7	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		6.3	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		24.8	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		1.1 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		7.3	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		1.0 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		8.2	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.77 J	4.7	0.47	ug/l	SW846 8270D
Pentachlorophenol [a]		0.43 J	1.9	0.43	ug/l	SW846 8151A
Aluminum		7480	200		ug/l	SW846 6010C
Antimony		8.1	6.0		ug/l	SW846 6010C
Arsenic		13.0	10		ug/l	SW846 6010C
Barium		5380	200		ug/l	SW846 6010C
Cadmium		8.2	5.0		ug/l	SW846 6010C
Calcium		235000	1000		ug/l	SW846 6010C
Chromium		158	10		ug/l	SW846 6010C
Copper		168	25		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		11300	300		ug/l	SW846 6010C
Lead		667	5.0		ug/l	SW846 6010C
Magnesium		25000	5000		ug/l	SW846 6010C
Manganese		498	15		ug/l	SW846 6010C
Mercury		4.3	0.50		ug/l	SW846 7470A
Potassium		28900	10000		ug/l	SW846 6010C
Sodium		162000	40000		ug/l	SW846 6010C
Strontium		989	10		ug/l	SW846 6010C
Titanium		384	10		ug/l	SW846 6010C
Zinc		3300	20		ug/l	SW846 6010C
FA12080-6	**BLD B RM 2**					
Benzene		0.60 J	1.0	0.24	ug/l	SW846 8260B
Toluene		0.79 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		0.86 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.66 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		80.1 J	94	19	ug/l	SW846 8270D
2-Nitrophenol		0.78 J	4.7	0.56	ug/l	SW846 8270D
4-Nitrophenol		4.8 J	24	4.7	ug/l	SW846 8270D
Phenol		4.0 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		12.2	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		18.5	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		2.0 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		2.1 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		2.1 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		11.8	4.7	1.5	ug/l	SW846 8270D
beta-BHC [a]		0.072 J	0.24	0.024	ug/l	SW846 8081B
delta-BHC [a]		0.098 J	0.24	0.024	ug/l	SW846 8081B
Aroclor 1260 [c]		0.34 J	0.47	0.19	ug/l	SW846 8082A
2,4-D [a]		5.8 J	19	3.4	ug/l	SW846 8151A
Aluminum		4750	200		ug/l	SW846 6010C
Antimony		7.1	6.0		ug/l	SW846 6010C
Arsenic		12.3	10		ug/l	SW846 6010C
Barium		2970	200		ug/l	SW846 6010C
Cadmium		5.4	5.0		ug/l	SW846 6010C
Calcium		192000	1000		ug/l	SW846 6010C
Chromium		181	10		ug/l	SW846 6010C
Copper		132	25		ug/l	SW846 6010C
Iron		8010	300		ug/l	SW846 6010C
Lead		442	5.0		ug/l	SW846 6010C
Magnesium		22200	5000		ug/l	SW846 6010C
Manganese		333	15		ug/l	SW846 6010C
Mercury		11.5	2.5		ug/l	SW846 7470A
Potassium		61100	10000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		205000	40000		ug/l	SW846 6010C
Strontium		787	10		ug/l	SW846 6010C
Titanium		132	10		ug/l	SW846 6010C
Zinc		1980	20		ug/l	SW846 6010C
FA12080-7	**BLD B RM 1**					
Benzene		6.6	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		1.9	1.0	0.28	ug/l	SW846 8260B
Naphthalene		8.0	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene		0.33 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1.7 J	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		2.0	2.0	0.20	ug/l	SW846 8260B
Toluene		11.0	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		5.4	2.0	0.48	ug/l	SW846 8260B
o-Xylene		2.6	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		30.4 J	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		0.55 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		1.3 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		2.3 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		3.4 J	4.7	1.1	ug/l	SW846 8270D
Phenol		9.0	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		0.68 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		190	19	3.1	ug/l	SW846 8270D
Benzyl Alcohol		18.1	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		0.74 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		2.4 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		2.4 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		0.81 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		32.5	4.7	1.5	ug/l	SW846 8270D
1-Methylnaphthalene		0.96 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		1.7 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		4.2 J	4.7	0.47	ug/l	SW846 8270D
Aroclor 1260 [c]		1.0	0.47	0.19	ug/l	SW846 8082A
Aluminum		4850	200		ug/l	SW846 6010C
Antimony		6.0	6.0		ug/l	SW846 6010C
Barium		622	200		ug/l	SW846 6010C
Cadmium		5.9	5.0		ug/l	SW846 6010C
Calcium		146000	1000		ug/l	SW846 6010C
Chromium		116	10		ug/l	SW846 6010C
Copper		109	25		ug/l	SW846 6010C
Iron		7390	300		ug/l	SW846 6010C
Lead		316	5.0		ug/l	SW846 6010C
Magnesium		20500	5000		ug/l	SW846 6010C
Manganese		272	15		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12080
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/28/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		24.1	5.0		ug/l	SW846 7470A
Potassium		40000	10000		ug/l	SW846 6010C
Sodium		136000	40000		ug/l	SW846 6010C
Strontium		610	10		ug/l	SW846 6010C
Titanium		148	10		ug/l	SW846 6010C
Zinc		1920	20		ug/l	SW846 6010C
FA12080-8	**TAP WATER**					
Bromodichloromethane		8.6	1.0	0.26	ug/l	SW846 8260B
Bromoform		2.1	1.0	0.38	ug/l	SW846 8260B
Chloroform		6.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		9.3	1.0	0.36	ug/l	SW846 8260B
Calcium		27200	1000		ug/l	SW846 6010C
Copper		57.1	25		ug/l	SW846 6010C
Magnesium		14500	5000		ug/l	SW846 6010C
Sodium		87700	20000		ug/l	SW846 6010C
Strontium		203	10		ug/l	SW846 6010C
FA12080-9	**TRIP BLANK**					
No hits reported in this sample.						

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis. Dilution required due to matrix interference. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) All hits confirmed by dual column analysis. Aroclor pattern appears to be weathered.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22347.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.9	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12080-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.40	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	4.2	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.72	2.0	0.53	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.9	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.57	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.6	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.2	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.57	1.0	0.20	ug/l	J

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	93%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2 [a]	U043327.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010
Run #3	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml
Run #3	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	200 [b]	190	38	ug/l	
95-57-8	2-Chlorophenol	0.74	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	2.5	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	4.2	4.7	0.47	ug/l	J
	3&4-Methylphenol	9.0	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	0.86	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	96.2 [b]	19	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.72	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	19.9	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	8.3	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12080-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	1.3	4.7	0.64	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	19.8	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	1.7	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	4.7	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.71	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.5	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	35%	34%	41%	14-67%
4165-62-2	Phenol-d5	23%	23%	25%	10-50%
118-79-6	2,4,6-Tribromophenol	85%	76%	89%	33-118%
4165-60-0	Nitrobenzene-d5	74%	83%	83%	42-108%
321-60-8	2-Fluorobiphenyl	73%	77%	86%	40-106%
1718-51-0	Terphenyl-d14	93%	98%	99%	39-121%

(a) Reported for QC purposes only.
(b) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043313.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	12.2	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	2.8	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364173.D	10	02/05/14	EM	01/31/14	OP50304	GTT1418
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	ND	0.47	0.047	ug/l	
319-86-8	delta-BHC	ND	0.47	0.047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	ND	0.47	0.047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		42-127%
2051-24-3	Decachlorobiphenyl	108%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12080-1	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123951.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		38-127%
2051-24-3	Decachlorobiphenyl	77%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 6
Lab Sample ID: FA12080-1
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8000	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	18.2	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.3	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	625	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	10.9	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	302000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	163	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	212	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	13200	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	671	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	20900	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	569	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	3.0	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	53.2	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	20600	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	118000	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	937	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	168	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	4910	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22348.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	3.3	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.25	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.54	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	10.3	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	8.4	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.82	2.0	0.53	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.2	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	0.23	1.0	0.23	ug/l	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.40	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	2.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.6	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.0	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043359.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676793.D	10	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	685 [a]	470	94	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.2	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.2	4.7	0.47	ug/l	J
	3&4-Methylphenol	4.3	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	9.3	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	1.3	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	8.5	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.3	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	5.5	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	16.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.78	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	2.3	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%	46%	14-67%
4165-62-2	Phenol-d5	26%	32%	10-50%
118-79-6	2,4,6-Tribromophenol	82%	100%	33-118%
4165-60-0	Nitrobenzene-d5	79%	100%	42-108%
321-60-8	2-Fluorobiphenyl	76%	99%	40-106%
1718-51-0	Terphenyl-d14	97%	98%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043314.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	99.9	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	8.9	1.9	0.54	ug/l	
1918-00-9	Dicamba	5.8	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop [b]	7.7	19	3.9	ug/l	J
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364139.D	10	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	0.38	0.47	0.047	ug/l	J
319-86-8	delta-BHC	0.071	0.47	0.047	ug/l	J
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	0.10	0.47	0.047	ug/l	J
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		42-127%
877-09-8	Tetrachloro-m-xylene	76%		42-127%
2051-24-3	Decachlorobiphenyl	98%		27-127%
2051-24-3	Decachlorobiphenyl	106%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12080-2	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123952.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		38-127%
2051-24-3	Decachlorobiphenyl	77%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 7
Lab Sample ID: FA12080-2
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9670	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	15.6	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	10.7	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	663	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	7.9	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	324000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	202	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	208	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	15600	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	447	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	26100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	486	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.2	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	98.4	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	36100	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	192000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	1390	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	286	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	2560	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22349.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.8	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.27	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12080-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.39	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	7.3	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	1.3	2.0	0.53	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.5	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.30	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.1	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.82	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	87%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043360.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676794.D	2	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	87.4 [a]	94	19	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.62	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.95	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.0	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	6.6	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	3.9	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	5.1	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12080-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	96.5 [a]	9.4	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	2.1	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	36.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.0	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%	25%	14-67%
4165-62-2	Phenol-d5	15%	17%	10-50%
118-79-6	2,4,6-Tribromophenol	64%	75%	33-118%
4165-60-0	Nitrobenzene-d5	58%	66%	42-108%
321-60-8	2-Fluorobiphenyl	61%	69%	40-106%
1718-51-0	Terphenyl-d14	65%	60%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043315.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	6.7	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	1.2	1.9	0.54	ug/l	J
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364140.D	10	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	0.52	0.47	0.047	ug/l	
319-86-8	delta-BHC	0.12	0.47	0.047	ug/l	J
58-89-9	gamma-BHC (Lindane)	0.055	0.47	0.047	ug/l	J
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	0.086	0.47	0.047	ug/l	J
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		42-127%
2051-24-3	Decachlorobiphenyl	61%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12080-3	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123955.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		38-127%
2051-24-3	Decachlorobiphenyl	42%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 4
Lab Sample ID: FA12080-3
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8750	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	10.4	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.0	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	3160	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	11.5	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	253000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	204	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	175	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	13000	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	525	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	25500	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	599	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	3.0	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	48.0	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	22900	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	131000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	1020	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	182	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	5620	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22350.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.69	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	2.5	1.0	0.26	ug/l	
75-25-2	Bromoform	0.60	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	2.8	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12080-4
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.91	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.56	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.28	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043361.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676795.D	40	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	1450 [a]	1900	380	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.81	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	1.2	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.8	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	0.86	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	7.2	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	34.4	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12080-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	55.9	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	6.9	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	45.8	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.82	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%	0% [b]	14-67%
4165-62-2	Phenol-d5	22%	0% [b]	10-50%
118-79-6	2,4,6-Tribromophenol	79%	0% [b]	33-118%
4165-60-0	Nitrobenzene-d5	70%	0% [b]	42-108%
321-60-8	2-Fluorobiphenyl	73%	0% [b]	40-106%
1718-51-0	Terphenyl-d14	96%	0% [b]	39-121%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043316.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D [b]	6.4	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) Outside control limits due to dilution.

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364141.D	5	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	ND	0.24	0.024	ug/l	
319-86-8	delta-BHC	ND	0.24	0.024	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		42-127%
2051-24-3	Decachlorobiphenyl	62%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12080-4	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123956.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		38-127%
2051-24-3	Decachlorobiphenyl	47%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 5
Lab Sample ID: FA12080-4
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7520	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	17.1	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.8	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	6010	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	10.5	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	228000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	583	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	281	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	12300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	3010	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	25100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	537	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.6	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	75.6	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	23800	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	227000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	1020	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	165	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	6980	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22351.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.96	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.53	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	1.5	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.2	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.28	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.6	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.5	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.0	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12080-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043362.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676796.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	171 [a]	190	38	ug/l	J
95-57-8	2-Chlorophenol	0.50	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.49	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	1.8	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	1.0	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	82.7	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	6.3	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	24.8	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12080-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	1.1	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	7.3	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	1.0	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	8.2	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.77	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	36%	14-67%
4165-62-2	Phenol-d5	23%	23%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	77%	33-118%
4165-60-0	Nitrobenzene-d5	64%	73%	42-108%
321-60-8	2-Fluorobiphenyl	70%	79%	40-106%
1718-51-0	Terphenyl-d14	90%	94%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043317.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	0.43	1.9	0.43	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364142.D	5	02/04/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	ND	0.24	0.024	ug/l	
319-86-8	delta-BHC	ND	0.24	0.024	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		42-127%
2051-24-3	Decachlorobiphenyl	57%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 3		
Lab Sample ID:	FA12080-5	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123957.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		38-127%
2051-24-3	Decachlorobiphenyl	44%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 3
Lab Sample ID: FA12080-5
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7480	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	8.1	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.0	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	5380	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	8.2	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	235000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	158	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	168	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	11300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	667	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	25000	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	498	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	4.3	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	28900	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	162000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	989	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	384	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	3300	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22352.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.60	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.79	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.86	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.66	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043363.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676797.D	2	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	80.1 [a]	94	19	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	0.78	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	4.8	24	4.7	ug/l	J
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	4.0	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	12.2	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	18.5	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 2
Lab Sample ID: FA12080-6
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.0	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	2.1	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	2.1	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	11.8	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	35%	14-67%
4165-62-2	Phenol-d5	21%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	74%	77%	33-118%
4165-60-0	Nitrobenzene-d5	68%	77%	42-108%
321-60-8	2-Fluorobiphenyl	72%	79%	40-106%
1718-51-0	Terphenyl-d14	88%	86%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043320.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	5.8	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364143.D	5	02/05/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	0.072	0.24	0.024	ug/l	J
319-86-8	delta-BHC	0.098	0.24	0.024	ug/l	J
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		42-127%
2051-24-3	Decachlorobiphenyl	60%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12080-6	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST123958.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260 [b]	0.34	0.47	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		38-127%
2051-24-3	Decachlorobiphenyl	44%		25-137%

(a) All hits confirmed by dual column analysis.
(b) Aroclor pattern appears to be weathered.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 2
Lab Sample ID: FA12080-6
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4750	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	7.1	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.3	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	2970	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	5.4	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	192000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	181	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	132	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	8010	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	442	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	22200	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	333	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	11.5	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	61100	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	205000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	787	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	132	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	1980	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22353.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	6.6	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.9	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	8.0	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.33	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.7	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	2.0	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	11.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	5.4	2.0	0.48	ug/l	
95-47-6	o-Xylene	2.6	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043364.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676798.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	30.4	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	0.55	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.3	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.3	4.7	0.47	ug/l	J
	3&4-Methylphenol	3.4	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	9.0	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.68	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	190 [a]	19	3.1	ug/l	
100-51-6	Benzyl Alcohol	18.1	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	0.74	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.4	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	2.4	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	0.81	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	32.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.96	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.7	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	4.2	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	32%	14-67%
4165-62-2	Phenol-d5	21%	20%	10-50%
118-79-6	2,4,6-Tribromophenol	76%	67%	33-118%
4165-60-0	Nitrobenzene-d5	61%	68%	42-108%
321-60-8	2-Fluorobiphenyl	66%	66%	40-106%
1718-51-0	Terphenyl-d14	84%	82%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043321.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364144.D	5	02/05/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.24	0.024	ug/l	
319-84-6	alpha-BHC	ND	0.24	0.024	ug/l	
319-85-7	beta-BHC	ND	0.24	0.024	ug/l	
319-86-8	delta-BHC	ND	0.24	0.024	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.24	0.024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.24	0.024	ug/l	
5103-74-2	gamma-Chlordane	ND	0.24	0.024	ug/l	
60-57-1	Dieldrin	ND	0.24	0.024	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.24	0.024	ug/l	
33213-65-9	Endosulfan-II	ND	0.24	0.024	ug/l	
76-44-8	Heptachlor	ND	0.24	0.024	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.24	0.024	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		42-127%
2051-24-3	Decachlorobiphenyl	59%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12080-7	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST123961.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260 [b]	1.0	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		38-127%
2051-24-3	Decachlorobiphenyl	44%		25-137%

(a) All hits confirmed by dual column analysis.
(b) Aroclor pattern appears to be weathered.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD B RM 1
Lab Sample ID: FA12080-7
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4850	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	622	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	5.9	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	146000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	116	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	109	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	7390	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	316	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	20500	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	272	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	24.1	5.0	ug/l	10	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	40000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	136000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	610	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	148	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	1920	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22354.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	8.6	1.0	0.26	ug/l	
75-25-2	Bromoform	2.1	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	6.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	9.3	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	90%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0676821.D	4	02/06/14	NAF	02/03/14	OP50319	SL3399
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	190	38	ug/l	
95-57-8	2-Chlorophenol	ND	19	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	19	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	19	2.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	19	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	94	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	38	7.5	ug/l	
95-48-7	2-Methylphenol	ND	19	1.9	ug/l	
	3&4-Methylphenol	ND	19	4.4	ug/l	
88-75-5	2-Nitrophenol	ND	19	2.3	ug/l	
100-02-7	4-Nitrophenol	ND	94	19	ug/l	
87-86-5	Pentachlorophenol	ND	94	19	ug/l	
108-95-2	Phenol	ND	19	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	19	3.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	19	2.1	ug/l	
83-32-9	Acenaphthene	ND	19	1.9	ug/l	
208-96-8	Acenaphthylene	ND	19	1.9	ug/l	
62-53-3	Aniline	ND	19	3.8	ug/l	
120-12-7	Anthracene	ND	19	2.3	ug/l	
92-87-5	Benzidine	ND	94	19	ug/l	
56-55-3	Benzo(a)anthracene	ND	19	2.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	19	2.5	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	19	2.7	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	19	3.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	19	1.9	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	19	2.5	ug/l	
85-68-7	Butyl benzyl phthalate	ND	19	3.1	ug/l	
100-51-6	Benzyl Alcohol	ND	19	3.8	ug/l	
91-58-7	2-Chloronaphthalene	ND	19	2.1	ug/l	
106-47-8	4-Chloroaniline	ND	19	1.9	ug/l	
86-74-8	Carbazole	ND	19	2.3	ug/l	
218-01-9	Chrysene	ND	19	2.7	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TAP WATER
Lab Sample ID: FA12080-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	19	2.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	19	2.6	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	19	2.2	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	19	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	19	1.9	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	19	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	19	1.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	19	1.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	19	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	19	2.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	19	3.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	19	3.1	ug/l	
132-64-9	Dibenzofuran	ND	19	2.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	19	3.8	ug/l	
117-84-0	Di-n-octyl phthalate	ND	19	3.8	ug/l	
84-66-2	Diethyl phthalate	ND	19	3.8	ug/l	
131-11-3	Dimethyl phthalate	ND	19	2.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	19	6.0	ug/l	
206-44-0	Fluoranthene	ND	19	2.6	ug/l	
86-73-7	Fluorene	ND	19	1.9	ug/l	
118-74-1	Hexachlorobenzene	ND	19	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	19	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	19	3.8	ug/l	
67-72-1	Hexachloroethane	ND	19	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	19	2.4	ug/l	
78-59-1	Isophorone	ND	19	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	19	1.9	ug/l	
91-57-6	2-Methylnaphthalene	ND	19	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	19	4.5	ug/l	
99-09-2	3-Nitroaniline	ND	19	2.3	ug/l	
100-01-6	4-Nitroaniline	ND	19	2.9	ug/l	
91-20-3	Naphthalene	ND	19	1.9	ug/l	
98-95-3	Nitrobenzene	ND	19	1.9	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	19	3.8	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	19	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	19	2.0	ug/l	
85-01-8	Phenanthrene	ND	19	2.2	ug/l	
129-00-0	Pyrene	ND	19	3.1	ug/l	
110-86-1	Pyridine	ND	38	7.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	19	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		14-67%
4165-62-2	Phenol-d5	18%		10-50%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	79%		42-108%
321-60-8	2-Fluorobiphenyl	81%		40-106%
1718-51-0	Terphenyl-d14	98%		39-121%

(a) Dilution required due to matrix interference (internal standard failure).

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC043310.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.93	0.17	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.093	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.093	0.027	ug/l	
1918-00-9	Dicamba	ND	0.093	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.3	0.93	ug/l	
120-36-5	Dichloroprop	ND	0.93	0.20	ug/l	
94-82-6	2,4-DB	ND	0.93	0.31	ug/l	
93-65-2	MCPP	ND	93	12	ug/l	
94-74-6	MCPA	ND	93	20	ug/l	
87-86-5	Pentachlorophenol	ND	0.093	0.022	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	89%		33-145%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TAP WATER
Lab Sample ID: FA12080-8
Matrix: AQ - Water
Method: SW846 8081B SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TT364145.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		42-127%
2051-24-3	Decachlorobiphenyl	109%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST123962.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		38-127%
2051-24-3	Decachlorobiphenyl	78%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TAP WATER
Lab Sample ID: FA12080-8
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/28/14
Date Received: 01/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	27200	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	57.1	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	< 300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	14500	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	87700	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	203	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12080-9	**Date Sampled:**	01/28/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22337.D	1	02/04/14	EG	n/a	n/a	VP839
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12080-9	**Date Sampled:**	01/28/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12080-9	**Date Sampled:**	01/28/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	92%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12080 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: I.S. Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isenvironmental.com
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Mays

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipes

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins/Furans	LAB USE ONLY
1	Bld B Rm 6	01-28-14	1125	BG	WW	10	X, X, X	X	X	X	X	X		
2	Bld B Rm 7	01/28/14	1335	BG	WW	10	X, X, X	X	X	X	X	X		
3	Bld B Rm 4	01/28/14	1410	BG	WW	10	X, X, X	X	X	X	X	X		
4	Bld B Rm 5	01/28/14	1430	BG	WW	10	X, X, X	X	X	X	X	X		
5	Bld B Rm 3	01/28/14	1515	BG	WW	10	X, X, X	X	X	X	X	X		
6	Bld B Rm 2	01/28/14	1600	BG	WW	10	X, X, X	X	X	X	X	X		
7	Bld B Rm 1	01/28/14	1620	BG	WW	10	X, X, X	X	X	X	X	X		
8	Tap Water	01/28/14	1645	BG	WW	10	X, X, X	X	X	X	X	X		
	Bld B Rms 4-7	01/28/14	1700	BG	WW	2	X						X	
	Bld B Rms 1-3	01/28/14	1710	BG	WW	2	X						X	
9	Trip Blank	01/28/14				3		X						

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	01/29/14 0900	2 FP	3 FP 01-30-14	915	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.0, 1.8, 2.2, 2.2, 2.4, 2.4, 2.0, 1.8, 2.0

4.1 4

FA12080: Chain of Custody
Page 1 of 7

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12080 CLIENT: ESI Environ PROJECT: Clean Harbors

DATE/TIME RECEIVED: 01 30 14 915 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 9

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 6875 /6831 /6810 /6820/6794/6886/6842/6861/6803

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [✓] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [✓] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [✓] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 2.4,2.2,2.6,2.6,2.7,2.4,2.8,2.2,2.4
- [ ] CORRECTED TEMPS: 2.0,1.8,2.2,2.2,2.4,2.0,2.4,1.8,2.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [X] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [X] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [X] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

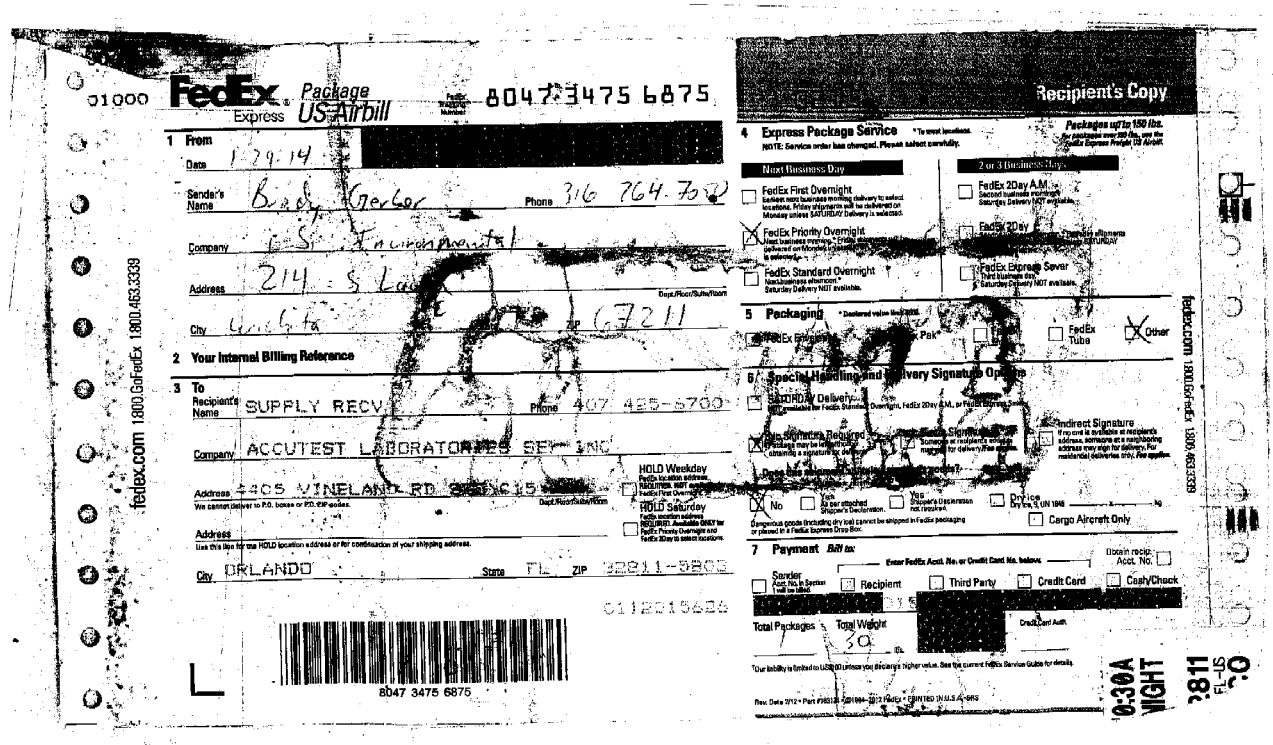
(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: Received 1 Broken Vial Sample's # 3,5. No Bottles Received For Bldg B Rms 4-7, Bldg B Rms 1-3

TECHNICIAN SIGNATURE/DATE: K Wilk 01 30 14 REVIEWER SIGNATURE/DATE: le 1-30-14

NF 12/10

receipt confirmation 122910.xls



01000 FedEx Express Package US Airbill 8047 3475 6875

Recipient's Copy

1 From
Date 1-29-14
Sender's Name Brady Gerber Phone 316 764-7082
Company C.S. Environmental
Address 214 S Lac
City Wichita ZIP 67211

2 Your Internal Billing Reference

3 To
Recipient's Name SUPPLY RECV Phone 407 425-5700
Company ACCUTEST LABORATORIES SE INC
Address 4405 VINELAND RD
Address
City ORLANDO State FL ZIP 32811-5803

HOLD Weekday
HOLD Saturday

0112015626

8047 3475 6875

fedex.com 1800.GoFedEx 1800.463.3339

4 Express Package Service
Packages up to 150 lbs.
Next Business Day
FedEx First Overnight
FedEx Priority Overnight
FedEx Standard Overnight
2 or 3 Business Days
FedEx 2Day A.M.
FedEx 2Day
FedEx Express Saver

5 Packaging
FedEx Tube
Other

6 Special Handling and Delivery Signature Options
SATURDAY Delivery
No Signature Required
Indirect Signature
No
Yes
Dry Ice
Cargo Aircraft Only

7 Payment Bill to:
Sender
Recipient
Third Party
Credit Card
Cash/Check

Total Packages
Total Weight 30 lb.

fedex.com 1800.GoFedEx 1800.463.3339

FA12080: Chain of Custody
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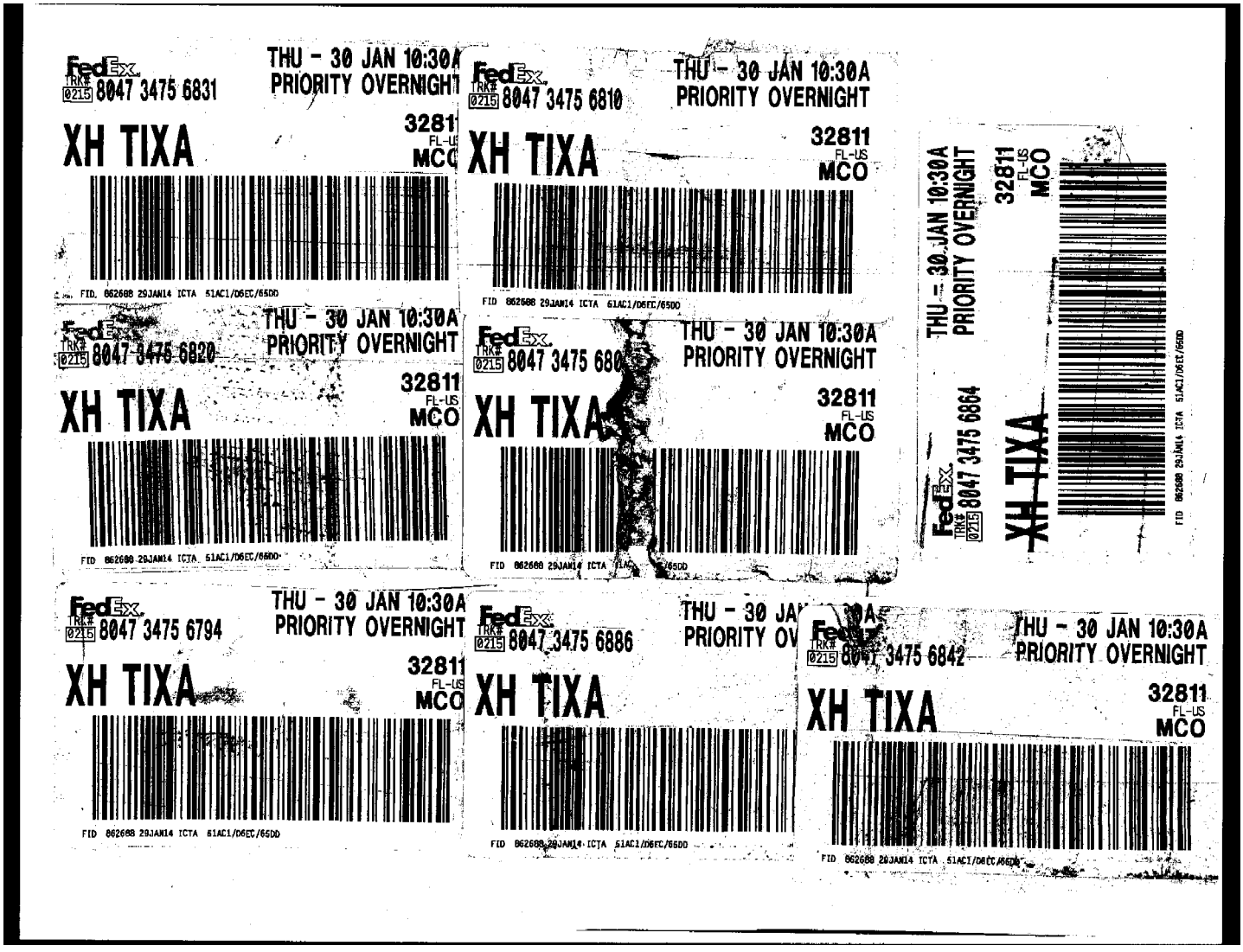

FA12080: Chain of Custody

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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12080

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isienvironmental.com
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins / Furans						
1	Bld B Rm 6	01-28-14	1215	BG	WW	10		X	X		X					X	X	X	X	X							
2	Bld B Rm 7	01/28/14	1335	BG	WW	10		X	X		X					X	X	X	X	X							
3	Bld B Rm 4	01/28/14	1410	BG	WW	10		X	X		X					X	X	X	X	X							
4	Bld B Rm 5	01/28/14	1430	BG	WW	10		X	X		X					X	X	X	X	X							
5	Bld B Rm 3	01/28/14	1515	BG	WW	10		X	X		X					X	X	X	X	X							
6	Bld B Rm 2	01/28/14	1600	BG	WW	10		X	X		X					X	X	X	X	X							
7	Bld B Rm 1	01/28/14	1620	BG	WW	10		X	X		X					X	X	X	X	X							
8	Tap Water	01/28/14	1645	BG	WW	10		X	X		X					X	X	X	X	X							
10	Bld B Rms 4-7	01/28/14	1700	BG	WW	2		X													X						
11	Bld B Rms 1-3	01/28/14	1710	BG	WW	2		X													X						
9	Trip Blank	01/28/14				3										X											

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady [signature] / iSi	01/29/14 0900	2 FP	3 FP 01-30-14	915	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 20, 1.8, 22, 22, 24, 24, 20
1.8, 20

4.1 4

FA12080: Chain of Custody
Page 5 of 7

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12080 CLIENT: ISI Envro. PROJECT: Clean Harbor

DATE/TIME RECEIVED: 01-31-14 1045 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3425 6853

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [Y] TRIP BLANK NOT PROVIDED
- [Y] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.1
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.9

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Missing Samples For FA12080 Bld B Rooms 4-7 will be Sample #10 Bld B Rooms 1-3 will be Sample #11

TECHNICIAN SIGNATURE/DATE: R Will 01/31/14 REVIEWER SIGNATURE/DATE: _____

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12080: Chain of Custody

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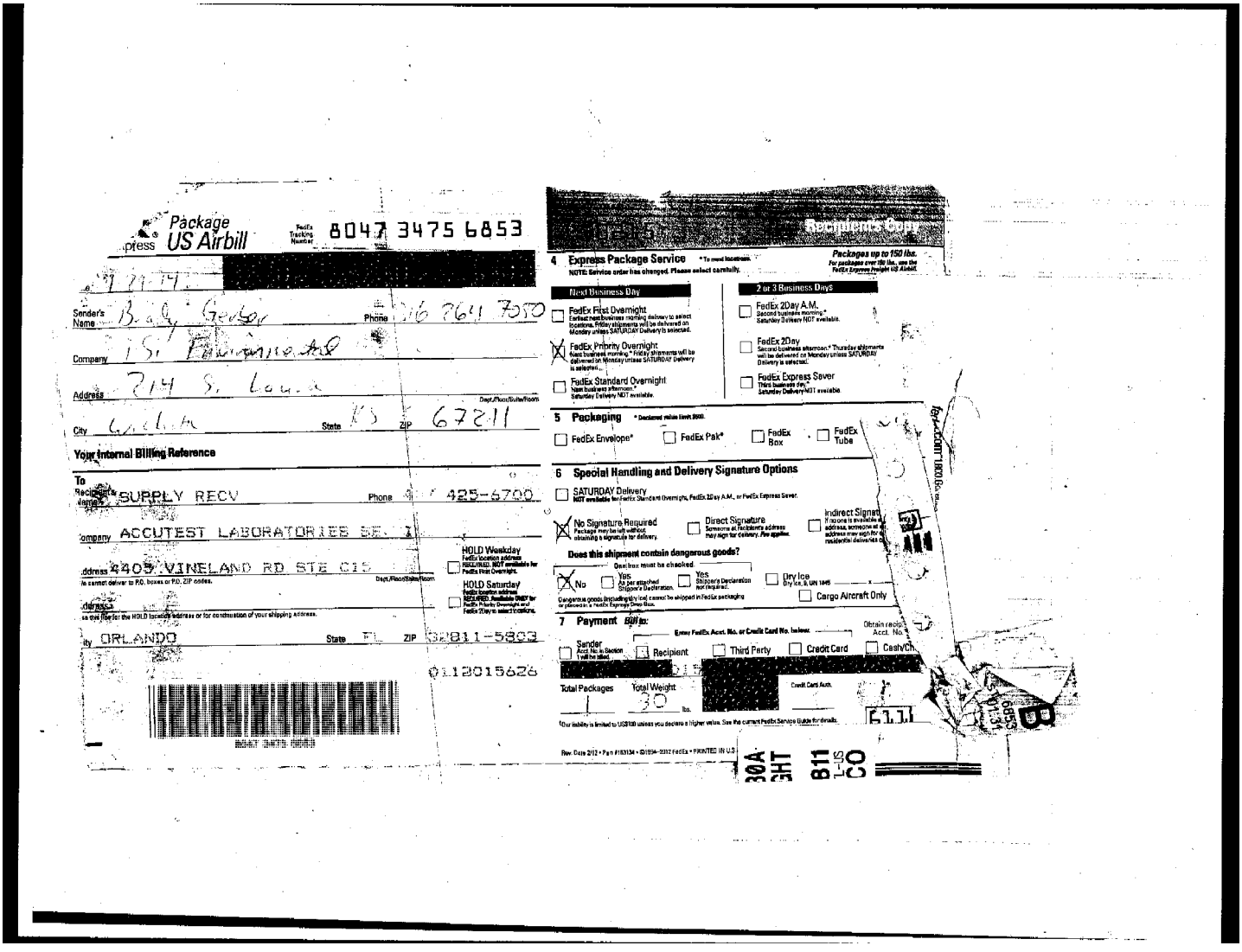

FA12080: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-MB	P22334.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-MB	P22334.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-MB	P22334.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	92%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-BS	P22332.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	181	145	50-147
107-02-8	Acrolein	125	121	97	31-154
107-13-1	Acrylonitrile	125	112	90	58-126
71-43-2	Benzene	25	27.9	112	81-122
108-86-1	Bromobenzene	25	28.6	114	80-121
74-97-5	Bromochloromethane	25	27.8	111	76-123
75-27-4	Bromodichloromethane	25	27.4	110	79-123
75-25-2	Bromoform	25	25.0	100	66-123
104-51-8	n-Butylbenzene	25	25.0	100	79-126
135-98-8	sec-Butylbenzene	25	30.0	120	83-133
98-06-6	tert-Butylbenzene	25	27.7	111	80-133
108-90-7	Chlorobenzene	25	28.8	115	82-124
75-00-3	Chloroethane	25	23.9	96	62-144
67-66-3	Chloroform	25	28.1	112	80-124
95-49-8	o-Chlorotoluene	25	30.3	121	81-127
106-43-4	p-Chlorotoluene	25	29.3	117	83-130
110-75-8	2-Chloroethyl vinyl ether	125	168	134*	56-122
75-15-0	Carbon disulfide	25	26.4	106	66-148
56-23-5	Carbon tetrachloride	25	31.5	126	76-136
75-34-3	1,1-Dichloroethane	25	28.0	112	81-122
75-35-4	1,1-Dichloroethylene	25	31.6	126	78-137
563-58-6	1,1-Dichloropropene	25	31.9	128	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.0	100	64-123
106-93-4	1,2-Dibromoethane	25	25.3	101	75-120
107-06-2	1,2-Dichloroethane	25	27.5	110	75-125
78-87-5	1,2-Dichloropropane	25	26.4	106	76-124
142-28-9	1,3-Dichloropropane	25	24.5	98	80-118
594-20-7	2,2-Dichloropropane	25	32.4	130	74-139
124-48-1	Dibromochloromethane	25	27.1	108	78-122
75-71-8	Dichlorodifluoromethane	25	24.8	99	42-167
156-59-2	cis-1,2-Dichloroethylene	25	27.9	112	78-120
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	75-118
541-73-1	m-Dichlorobenzene	25	29.6	118	84-125
95-50-1	o-Dichlorobenzene	25	28.5	114	82-124
106-46-7	p-Dichlorobenzene	25	27.2	109	78-120
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	76-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-BS	P22332.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	80-120
100-41-4	Ethylbenzene	25	27.3	109	81-121
591-78-6	2-Hexanone	125	158	126	61-129
87-68-3	Hexachlorobutadiene	25	29.8	119	75-142
98-82-8	Isopropylbenzene	25	27.2	109	83-132
99-87-6	p-Isopropyltoluene	25	29.1	116	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	22.9	92	59-143
74-87-3	Methyl chloride	25	26.6	106	50-159
74-95-3	Methylene bromide	25	25.7	103	78-119
75-09-2	Methylene chloride	25	26.7	107	69-135
78-93-3	Methyl ethyl ketone	125	157	126	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.8	103	72-117
91-20-3	Naphthalene	25	22.7	91	63-132
103-65-1	n-Propylbenzene	25	29.8	119	82-133
100-42-5	Styrene	25	24.5	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.4	110	77-122
71-55-6	1,1,1-Trichloroethane	25	30.9	124	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	72-120
79-00-5	1,1,2-Trichloroethane	25	24.3	97	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.8	111	68-131
96-18-4	1,2,3-Trichloropropane	25	26.4	106	77-120
120-82-1	1,2,4-Trichlorobenzene	25	23.4	94	73-129
95-63-6	1,2,4-Trimethylbenzene	25	26.3	105	79-120
108-67-8	1,3,5-Trimethylbenzene	25	26.3	105	79-120
127-18-4	Tetrachloroethylene	25	27.4	110	76-135
108-88-3	Toluene	25	26.7	107	80-120
79-01-6	Trichloroethylene	25	28.9	116	81-126
75-69-4	Trichlorofluoromethane	25	22.9	92	71-156
75-01-4	Vinyl chloride	25	26.9	108	69-159
108-05-4	Vinyl Acetate	125	105	84	43-154
	m,p-Xylene	50	58.2	116	79-126
95-47-6	o-Xylene	25	25.7	103	80-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP839-BS	P22332.D	1	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	79-125%
2037-26-5	Toluene-D8	89%	85-112%
460-00-4	4-Bromofluorobenzene	92%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA11964-4MS	P22355.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4MSD	P22356.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4	P22340.D	10	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	FA11964-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	250 U		1250	743	59	796	64	7	50-147/21
107-02-8	Acrolein	200 U		1250	871	70	916	73	5	31-154/29
107-13-1	Acrylonitrile	100 U		1250	1020	82	1090	87	7	58-126/16
71-43-2	Benzene	707		250	966	104	950	97	2	81-122/14
108-86-1	Bromobenzene	10 U		250	274	110	282	113	3	80-121/14
74-97-5	Bromochloromethane	10 U		250	278	111	290	116	4	76-123/14
75-27-4	Bromodichloromethane	10 U		250	263	105	234	94	12	79-123/19
75-25-2	Bromoform	10 U		250	185	74	174	70	6	66-123/21
104-51-8	n-Butylbenzene	10 U		250	240	96	231	92	4	79-126/16
135-98-8	sec-Butylbenzene	10 U		250	301	120	288	115	4	83-133/16
98-06-6	tert-Butylbenzene	10 U		250	272	109	274	110	1	80-133/16
108-90-7	Chlorobenzene	10 U		250	287	115	285	114	1	82-124/14
75-00-3	Chloroethane	20 U		250	234	94	237	95	1	62-144/20
67-66-3	Chloroform	10 U		250	295	118	291	116	1	80-124/15
95-49-8	o-Chlorotoluene	10 U		250	303	121	299	120	1	81-127/15
106-43-4	p-Chlorotoluene	10 U		250	290	116	283	113	2	83-130/15
110-75-8	2-Chloroethyl vinyl ether	50 U		1250	ND	0*	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	20 U		250	211	84	181	72	15	66-148/23
56-23-5	Carbon tetrachloride	10 U		250	317	127	272	109	15	76-136/23
75-34-3	1,1-Dichloroethane	10 U		250	290	116	289	116	0	81-122/15
75-35-4	1,1-Dichloroethylene	10 U		250	318	127	324	130	2	78-137/18
563-58-6	1,1-Dichloropropene	10 U		250	310	124	299	120	4	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	20 U		250	244	98	229	92	6	64-123/18
106-93-4	1,2-Dibromoethane	10 U		250	250	100	262	105	5	75-120/13
107-06-2	1,2-Dichloroethane	10 U		250	286	114	281	112	2	75-125/14
78-87-5	1,2-Dichloropropane	10 U		250	270	108	267	107	1	76-124/14
142-28-9	1,3-Dichloropropane	10 U		250	247	99	248	99	0	80-118/13
594-20-7	2,2-Dichloropropane	10 U		250	278	111	275	110	1	74-139/17
124-48-1	Dibromochloromethane	10 U		250	224	90	211	84	6	78-122/19
75-71-8	Dichlorodifluoromethane	20 U		250	249	100	247	99	1	42-167/19
156-59-2	cis-1,2-Dichloroethylene	10 U		250	281	112	282	113	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	10 U		250	231	92	207	83	11	75-118/23
541-73-1	m-Dichlorobenzene	10 U		250	301	120	298	119	1	84-125/14
95-50-1	o-Dichlorobenzene	10 U		250	283	113	289	116	2	82-124/14
106-46-7	p-Dichlorobenzene	10 U		250	272	109	267	107	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	10 U		250	284	114	276	110	3	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA11964-4MS	P22355.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4MSD	P22356.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4	P22340.D	10	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Compound	FA11964-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	10 U		250	253	101	231	92	9	80-120/22
100-41-4	Ethylbenzene	10 U		250	278	111	271	108	3	81-121/14
591-78-6	2-Hexanone	100 U		1250	926	74	1010	81	9	61-129/18
87-68-3	Hexachlorobutadiene	20 U		250	275	110	274	110	0	75-142/19
98-82-8	Isopropylbenzene	10 U		250	274	110	270	108	1	83-132/15
99-87-6	p-Isopropyltoluene	10 U		250	285	114	280	112	2	79-130/16
108-10-1	4-Methyl-2-pentanone	50 U		1250	1130	90	1200	96	6	66-122/16
74-83-9	Methyl bromide	20 U		250	236	94	231	92	2	59-143/19
74-87-3	Methyl chloride	20 U		250	263	105	265	106	1	50-159/19
74-95-3	Methylene bromide	20 U		250	267	107	261	104	2	78-119/14
75-09-2	Methylene chloride	50 U		250	286	114	281	112	2	69-135/16
78-93-3	Methyl ethyl ketone	50 U		1250	931	74	956	76	3	56-143/18
1634-04-4	Methyl Tert Butyl Ether	10 U		250	255	102	264	106	3	72-117/14
91-20-3	Naphthalene	50 U		250	209	84	234	94	11	63-132/25
103-65-1	n-Propylbenzene	10 U		250	297	119	289	116	3	82-133/15
100-42-5	Styrene	10 U		250	235	94	234	94	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	10 U		250	277	111	254	102	9	77-122/19
71-55-6	1,1,1-Trichloroethane	10 U		250	319	128	310	124	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	10 U		250	245	98	251	100	2	72-120/14
79-00-5	1,1,2-Trichloroethane	10 U		250	249	100	250	100	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	10 U		250	256	102	276	110	8	68-131/25
96-18-4	1,2,3-Trichloropropane	20 U		250	265	106	274	110	3	77-120/16
120-82-1	1,2,4-Trichlorobenzene	10 U		250	222	89	233	93	5	73-129/20
95-63-6	1,2,4-Trimethylbenzene	5.2	J	250	268	105	267	105	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	4.9	J	250	266	104	265	104	0	79-120/19
127-18-4	Tetrachloroethylene	10 U		250	264	106	255	102	3	76-135/16
108-88-3	Toluene	121		250	375	102	371	100	1	80-120/14
79-01-6	Trichloroethylene	10 U		250	307	123	309	124	1	81-126/15
75-69-4	Trichlorofluoromethane	20 U		250	236	94	228	91	3	71-156/21
75-01-4	Vinyl chloride	10 U		250	258	103	266	106	3	69-159/18
108-05-4	Vinyl Acetate	100 U		1250	1040	83	1090	87	5	43-154/14
	m,p-Xylene	112		500	710	120	698	117	2	79-126/15
95-47-6	o-Xylene	10.7		250	270	104	267	103	1	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA11964-4MS	P22355.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4MSD	P22356.D	10	02/04/14	EG	n/a	n/a	VP839
FA11964-4	P22340.D	10	02/04/14	EG	n/a	n/a	VP839

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8, FA12080-9

CAS No.	Surrogate Recoveries	MS	MSD	FA11964-4	Limits
1868-53-7	Dibromofluoromethane	97%	96%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	94%	97%	79-125%
2037-26-5	Toluene-D8	86%	87%	93%	85-112%
460-00-4	4-Bromofluorobenzene	88%	90%	95%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-MB	L0676714.D	1	01/31/14	NAF	01/30/14	OP50292	SL3395

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	79%	40-106%
1718-51-0	Terphenyl-d14	99%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-MB	U043322.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	14-67%
4165-62-2	Phenol-d5	29%	10-50%
118-79-6	2,4,6-Tribromophenol	88%	33-118%
4165-60-0	Nitrobenzene-d5	87%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	107%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	33-118%
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	106%	39-121%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-BS	L0676713.D	1	01/31/14	NAF	01/30/14	OP50292	SL3395

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	20%	14-67%
4165-62-2	Phenol-d5	13%	10-50%
118-79-6	2,4,6-Tribromophenol	41%	33-118%
4165-60-0	Nitrobenzene-d5	64%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	94%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-BS	U043321.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	16%	14-67%
4165-62-2	Phenol-d5	11%	10-50%
118-79-6	2,4,6-Tribromophenol	42%	33-118%
4165-60-0	Nitrobenzene-d5	66%	42-108%
321-60-8	2-Fluorobiphenyl	72%	40-106%
1718-51-0	Terphenyl-d14	108%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	16.0	16	10-69
95-57-8	2-Chlorophenol	50	34.7	69	52-98
59-50-7	4-Chloro-3-methyl phenol	50	33.7	67	54-103
120-83-2	2,4-Dichlorophenol	50	32.7	65	53-103
105-67-9	2,4-Dimethylphenol	50	33.1	66	43-90
51-28-5	2,4-Dinitrophenol	100	71.7	72	44-112
534-52-1	4,6-Dinitro-o-cresol	100	78.7	79	66-121
95-48-7	2-Methylphenol	50	30.9	62	43-90
	3&4-Methylphenol	100	54.9	55	36-88
88-75-5	2-Nitrophenol	50	33.5	67	53-102
100-02-7	4-Nitrophenol	100	26.9	27	18-62
87-86-5	Pentachlorophenol	100	69.6	70	61-115
108-95-2	Phenol	50	13.5	27	19-56
95-95-4	2,4,5-Trichlorophenol	50	38.2	76	62-109
88-06-2	2,4,6-Trichlorophenol	50	37.9	76	59-107
83-32-9	Acenaphthene	50	42.5	85	61-107
208-96-8	Acenaphthylene	50	41.6	83	60-104
62-53-3	Aniline	50	32.4	65	47-100
120-12-7	Anthracene	50	40.9	82	65-108
92-87-5	Benzidine	50	36.8	74	25-99
56-55-3	Benzo(a)anthracene	50	40.8	82	66-111
50-32-8	Benzo(a)pyrene	50	39.3	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.0	82	65-114
191-24-2	Benzo(g,h,i)perylene	50	39.0	78	66-116
207-08-9	Benzo(k)fluoranthene	50	41.1	82	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.9	70	65-109
85-68-7	Butyl benzyl phthalate	50	38.4	77	65-112
100-51-6	Benzyl Alcohol	50	32.2	64	46-94
91-58-7	2-Chloronaphthalene	50	37.3	75	57-103
106-47-8	4-Chloroaniline	50	34.4	69	49-105
86-74-8	Carbazole	50	40.2	80	59-113
218-01-9	Chrysene	50	43.0	86	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.3	71	51-102
111-44-4	bis(2-Chloroethyl)ether	50	36.7	73	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	40.1	80	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.7	75	62-105

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
122-66-7	1,2-Diphenylhydrazine	50	50.1	100	61-110
541-73-1	1,3-Dichlorobenzene	50	31.4	63	45-95
106-46-7	1,4-Dichlorobenzene	50	33.0	66	45-98
121-14-2	2,4-Dinitrotoluene	50	40.1	80	61-110
606-20-2	2,6-Dinitrotoluene	50	39.8	80	63-108
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	46-117
53-70-3	Dibenzo(a,h)anthracene	50	38.8	78	66-119
132-64-9	Dibenzofuran	50	39.6	79	61-106
84-74-2	Di-n-butyl phthalate	50	36.8	74	65-107
117-84-0	Di-n-octyl phthalate	50	36.1	72	62-118
84-66-2	Diethyl phthalate	50	38.7	77	64-108
131-11-3	Dimethyl phthalate	50	36.0	72	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.1	76	61-117
206-44-0	Fluoranthene	50	40.7	81	63-106
86-73-7	Fluorene	50	41.3	83	62-108
118-74-1	Hexachlorobenzene	50	42.2	84	63-108
87-68-3	Hexachlorobutadiene	50	29.5	59	42-102
77-47-4	Hexachlorocyclopentadiene	50	23.9	48	39-102
67-72-1	Hexachloroethane	50	31.5	63	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	34.3	69	64-119
78-59-1	Isophorone	50	34.9	70	43-87
90-12-0	1-Methylnaphthalene	50	37.4	75	53-102
91-57-6	2-Methylnaphthalene	50	32.9	66	51-102
88-74-4	2-Nitroaniline	50	45.9	92	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.9	84	55-120
91-20-3	Naphthalene	50	34.2	68	47-100
98-95-3	Nitrobenzene	50	33.6	67	50-104
62-75-9	N-Nitrosodimethylamine	50	19.1	38	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	43.4	87	52-104
86-30-6	N-Nitrosodiphenylamine	50	46.0	92	64-108
85-01-8	Phenanthrene	50	42.0	84	66-110
129-00-0	Pyrene	50	43.5	87	64-113
110-86-1	Pyridine	50	19.6	39	23-74
120-82-1	1,2,4-Trichlorobenzene	50	29.9	60	45-97

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	97%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50292-MS	U043328.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010
OP50292-MSD	U043329.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010
FA12080-1 [a]	U043327.D	1	01/31/14	NAF	01/30/14	OP50292	SU2010

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-1	Limits
367-12-4	2-Fluorophenol	58%	53%	34%	14-67%
4165-62-2	Phenol-d5	45%	39%	23%	10-50%
118-79-6	2,4,6-Tribromophenol	88%	89%	76%	33-118%
4165-60-0	Nitrobenzene-d5	79%	79%	83%	42-108%
321-60-8	2-Fluorobiphenyl	84%	83%	77%	40-106%
1718-51-0	Terphenyl-d14	106%	108%	98%	39-121%

(a) Reported for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	200 [a]		189	466	141*	471	144*	1	10-69/39
95-57-8	2-Chlorophenol	0.74	J	94.3	57.1	61	69.3	73	19	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	70.6	75	74.9	79	6	54-103/23
120-83-2	2,4-Dichlorophenol	ND		94.3	59.9	63	69.9	74	15	53-103/26
105-67-9	2,4-Dimethylphenol	2.5	J	94.3	53.6	54	63.3	64	17	43-90/27
51-28-5	2,4-Dinitrophenol	ND		189	142	75	161	85	13	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		189	118	63*	150	80	24*	66-121/23
95-48-7	2-Methylphenol	4.2	J	94.3	61.4	60	70.0	69	13	43-90/28
	3&4-Methylphenol	9.0		189	124	61	139	69	11	36-88/28
88-75-5	2-Nitrophenol	0.86	J	94.3	59.5	63	72.9	77	20	53-102/29
100-02-7	4-Nitrophenol	ND		189	78.7	42	104	55	28	18-62/33
87-86-5	Pentachlorophenol	ND		189	144	76	158	84	9	61-115/26
108-95-2	Phenol	96.2 [a]		94.3	197	107*	207	117*	5	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		94.3	67.9	72	74.6	79	9	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		94.3	68.2	72	73.5	78	7	59-107/23
83-32-9	Acenaphthene	ND		94.3	73.1	77	78.9	84	8	61-107/22
208-96-8	Acenaphthylene	0.72	J	94.3	71.9	76	78.8	84	9	60-104/22
62-53-3	Aniline	ND		94.3	ND	0*	7.3	8*	200*	47-100/30
120-12-7	Anthracene	ND		94.3	66.1	70	71.1	75	7	65-108/20
92-87-5	Benzidine	ND		94.3	ND	0*	ND	0*	nc	25-99/31
56-55-3	Benzo(a)anthracene	ND		94.3	72.6	77	76.5	81	5	66-111/22
50-32-8	Benzo(a)pyrene	ND		94.3	64.7	69	70.1	74	8	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		94.3	78.2	83	80.8	86	3	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		94.3	75.5	80	78.0	83	3	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		94.3	79.4	84	83.9	89	6	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	57.0	60*	66.8	71	16	65-109/23
85-68-7	Butyl benzyl phthalate	19.9		94.3	94.6	85	93.8	84	1	65-112/24
100-51-6	Benzyl Alcohol	8.3		94.3	72.2	68	79.9	76	10	46-94/27
91-58-7	2-Chloronaphthalene	ND		94.3	63.8	68	70.1	74	9	57-103/23
106-47-8	4-Chloroaniline	ND		94.3	3.5	4*	2.8	3*	22	49-105/27
86-74-8	Carbazole	ND		94.3	70.9	75	74.2	79	5	59-113/21
218-01-9	Chrysene	ND		94.3	75.9	80	79.2	84	4	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	61.9	66	74.6	79	19	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	62.6	66	67.5	72	8	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	66.5	70	77.1	82	15	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	66.9	71	71.8	76	7	62-105/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		94.3	55.0	58	63.0	67	14	48-97/24
122-66-7	1,2-Diphenylhydrazine	1.3	J	94.3	77.5	82	88.7	94	13	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		94.3	54.3	58	62.9	67	15	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		94.3	56.9	60	65.8	70	15	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		94.3	68.6	73	75.0	80	9	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		94.3	70.9	75	74.7	79	5	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	ND	0*	ND	0*	nc	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	75.7	80	77.8	82	3	66-119/24
132-64-9	Dibenzofuran	ND		94.3	71.2	75	76.5	81	7	61-106/21
84-74-2	Di-n-butyl phthalate	19.8		94.3	80.8	64*	85.5	69	6	65-107/21
117-84-0	Di-n-octyl phthalate	ND		94.3	75.1	80	78.9	84	5	62-118/24
84-66-2	Diethyl phthalate	ND		94.3	70.2	74	73.8	78	5	64-108/21
131-11-3	Dimethyl phthalate	1.7	J	94.3	65.6	70	68.9	73	5	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	4.7		94.3	71.6	68	74.6	71	4	61-117/23
206-44-0	Fluoranthene	ND		94.3	68.3	72	77.0	82	12	63-106/21
86-73-7	Fluorene	ND		94.3	74.5	79	80.2	85	7	62-108/20
118-74-1	Hexachlorobenzene	ND		94.3	68.5	73	72.8	77	6	63-108/22
87-68-3	Hexachlorobutadiene	ND		94.3	57.5	61	67.3	71	16	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		94.3	45.9	49	49.6	53	8	39-102/29
67-72-1	Hexachloroethane	ND		94.3	57.0	60	67.0	71	16	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	67.8	72	70.3	75	4	64-119/24
78-59-1	Isophorone	ND		94.3	65.6	70	75.1	80	14	43-87/25
90-12-0	1-Methylnaphthalene	ND		94.3	73.6	78	81.5	86	10	53-102/27
91-57-6	2-Methylnaphthalene	0.71	J	94.3	65.1	69	72.9	77	11	51-102/26
88-74-4	2-Nitroaniline	ND		94.3	73.7	78	79.9	85	8	54-128/24
99-09-2	3-Nitroaniline	ND		94.3	15.4	16*	25.6	27*	50*	56-106/27
100-01-6	4-Nitroaniline	ND		94.3	22.5	24*	32.6	35*	37*	55-120/24
91-20-3	Naphthalene	1.5	J	94.3	64.4	68	73.2	78	13	47-100/29
98-95-3	Nitrobenzene	ND		94.3	70.2	74	76.8	81	9	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		94.3	39.7	42	50.2	53	23	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	74.6	79	84.5	90	12	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		94.3	71.1	75	84.2	89	17	64-108/23
85-01-8	Phenanthrene	ND		94.3	75.2	80	77.8	82	3	66-110/21
129-00-0	Pyrene	ND		94.3	77.5	82	80.5	85	4	64-113/23
110-86-1	Pyridine	ND		94.3	37.9	40	51.1	54	30	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	55.8	59	65.2	69	16	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-1	FA12080-1	Limits
367-12-4	2-Fluorophenol	43%	58%	35%	41%	14-67%
4165-62-2	Phenol-d5	33%	47%	23%	25%	10-50%
118-79-6	2,4,6-Tribromophenol	73%	90%	85%	89%	33-118%
4165-60-0	Nitrobenzene-d5	69%	78%	74%	83%	42-108%
321-60-8	2-Fluorobiphenyl	71%	78%	73%	86%	40-106%
1718-51-0	Terphenyl-d14	92%	95%	93%	99%	39-121%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MB	CC043309.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	84%	33-145%

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50304-MB	TT364137.D	1	02/04/14	EM	01/31/14	OP50304	GTT1417

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	42-127%
2051-24-3	Decachlorobiphenyl	114%	27-127%

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50305-MB	ST123950.D	1	02/01/14	MV	01/31/14	OP50305	GST2945

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	90%	38-127%
2051-24-3	Decachlorobiphenyl	85%	25-137%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-BS	CC043308.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	5.3	106	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.56	112	76-142
93-76-5	2,4,5-T	0.5	0.54	108	75-149
1918-00-9	Dicamba	0.5	0.51	102	51-150
88-85-7	Dinoseb	2.5	1.6	64	10-122
75-99-0	Dalapon	12.5	10.6	85	19-132
120-36-5	Dichloroprop	5	6.4	128	76-160
94-82-6	2,4-DB	5	5.7	114	65-145
93-65-2	MCPP	500	538	108	66-131
94-74-6	MCPA	500	492	98	64-137
87-86-5	Pentachlorophenol	0.5	0.46	92	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	90%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50304-BS	TT364136.D	1	02/04/14	EM	01/31/14	OP50304	GTT1417

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.54	108	61-126
319-84-6	alpha-BHC	0.5	0.54	108	66-129
319-85-7	beta-BHC	0.5	0.49	98	66-132
319-86-8	delta-BHC	0.5	0.46	92	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.55	110	68-132
5103-71-9	alpha-Chlordane	0.5	0.56	112	66-131
5103-74-2	gamma-Chlordane	0.5	0.57	114	68-128
60-57-1	Dieldrin	0.5	0.58	116	66-138
72-54-8	4,4'-DDD	0.5	0.58	116	63-138
72-55-9	4,4'-DDE	0.5	0.54	108	59-133
50-29-3	4,4'-DDT	0.5	0.48	96	55-145
72-20-8	Endrin	0.5	0.48	96	71-147
1031-07-8	Endosulfan sulfate	0.5	0.53	106	64-128
7421-93-4	Endrin aldehyde	0.5	0.48	96	60-130
53494-70-5	Endrin ketone	0.5	0.53	106	66-137
959-98-8	Endosulfan-I	0.5	0.43	86	66-133
33213-65-9	Endosulfan-II	0.5	0.48	96	65-133
76-44-8	Heptachlor	0.5	0.52	104	63-130
1024-57-3	Heptachlor epoxide	0.5	0.54	108	67-129
72-43-5	Methoxychlor	0.5	0.48	96	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	99%	42-127%
2051-24-3	Decachlorobiphenyl	113%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50305-BS	ST123949.D	1	02/01/14	MV	01/31/14	OP50305	GST2945

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.4	85	57-122
11096-82-5	Aroclor 1260	4	3.0	75	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	94%	38-127%
2051-24-3	Decachlorobiphenyl	86%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MS	CC043311.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
OP50343-MSD	CC043312.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
FA12080-8	CC043310.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		9.43	11.5	122	10.5	111	9	69-138/21
93-72-1	2,4,5-TP (Silvex)	ND		0.943	1.1	117	1.0	106	10	76-142/27
93-76-5	2,4,5-T	ND		0.943	1.1	117	1.0	106	10	75-149/22
1918-00-9	Dicamba	ND		0.943	1.1	117	1.0	106	10	51-150/23
88-85-7	Dinoseb	ND		4.72	3.2	68	2.8	59	13	10-122/35
75-99-0	Dalapon	ND		23.6	24.4	103	12.8	54	62*	19-132/28
120-36-5	Dichloroprop	ND		9.43	13.7	145	12.7	135	8	76-160/21
94-82-6	2,4-DB	ND		9.43	11.3	120	10.3	109	9	65-145/26
93-65-2	MCPP	ND		943	1170	124	986	105	17	66-131/21
94-74-6	MCPA	ND		943	1030	109	955	101	8	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	0.97	103	0.91	96	6	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-8	Limits
19719-28-9	2,4-DCAA	110%	101%	89%	33-145%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50304-MS	TT364147.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417
OP50304-MSD	TT364148.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417
FA12080-8	TT364145.D	1	02/05/14	EM	01/31/14	OP50304	GTT1417

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		0.943	1.1	117	1.0	106	10	61-126/21
319-84-6	alpha-BHC	ND		0.943	0.99	105	1.0	106	1	66-129/23
319-85-7	beta-BHC	ND		0.943	0.93	99	0.91	96	2	66-132/23
319-86-8	delta-BHC	ND		0.943	0.92	98	0.83	88	10	41-142/27
58-89-9	gamma-BHC (Lindane)	ND		0.943	1.0	106	1.0	106	0	68-132/22
5103-71-9	alpha-Chlordane	ND		0.943	1.1	117	1.1	117	0	66-131/24
5103-74-2	gamma-Chlordane	ND		0.943	1.1	117	1.1	117	0	68-128/21
60-57-1	Dieldrin	ND		0.943	1.1	117	1.1	117	0	66-138/22
72-54-8	4,4'-DDD	ND		0.943	1.2	127	1.1	117	9	63-138/24
72-55-9	4,4'-DDE	ND		0.943	1.1	117	1.0	106	10	59-133/23
50-29-3	4,4'-DDT	ND		0.943	0.89	94	0.87	92	2	55-145/27
72-20-8	Endrin	ND		0.943	0.98	104	0.92	98	6	71-147/23
1031-07-8	Endosulfan sulfate	ND		0.943	1.0	106	0.99	105	1	64-128/26
7421-93-4	Endrin aldehyde	ND		0.943	1.0	106	0.98	104	2	60-130/22
53494-70-5	Endrin ketone	ND		0.943	1.1	117	1.0	106	10	66-137/25
959-98-8	Endosulfan-I	ND		0.943	0.85	90	0.84	89	1	66-133/21
33213-65-9	Endosulfan-II	ND		0.943	0.95	101	0.92	98	3	65-133/22
76-44-8	Heptachlor	ND		0.943	0.99	105	0.95	101	4	63-130/23
1024-57-3	Heptachlor epoxide	ND		0.943	1.1	117	1.0	106	10	67-129/23
72-43-5	Methoxychlor	ND		0.943	0.88	93	0.83	88	6	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-8	Limits
877-09-8	Tetrachloro-m-xylene	99%	97%	86%	42-127%
2051-24-3	Decachlorobiphenyl	121%	116%	109%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50305-MS	ST123953.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
OP50305-MSD	ST123954.D	1	02/01/14	MV	01/31/14	OP50305	GST2945
FA12080-2	ST123952.D	1	02/01/14	MV	01/31/14	OP50305	GST2945

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

CAS No.	Compound	FA12080-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	6.4	85	6.5	86	2	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	6.6	87	6.7	89	2	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-2	Limits
877-09-8	Tetrachloro-m-xylene	90%	90%	93%	38-127%
2051-24-3	Decachlorobiphenyl	83%	79%	77%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-15	<200
Antimony	6.0	2	2.3	-2.5	<6.0
Arsenic	10	2	2.4	-0.10	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	1.1	<1000
Chromium	10	1	2	0.0	<10
Cobalt	50	.5	.5	-0.10	<50
Copper	25	1	1	-0.10	<25
Iron	300	17	17	-17	<300
Lead	5.0	1.1	1.1	0.50	<5.0
Magnesium	5000	50	56	0.10	<5000
Manganese	15	.5	1	-0.10	<15
Molybdenum	50	.5	.5	-1.1	<50
Nickel	40	.5	.5	0.10	<40
Potassium	10000	200	200	-26	<10000
Selenium	10	2.3	2.3	-0.10	<10
Silver	10	.65	.77	0.10	<10
Sodium	10000	500	500	-1.8	<10000
Strontium	10	.4	.4	-0.20	<10
Thallium	10	1.5	2	0.50	<10
Tin	50	.7	1	-1.3	<50
Titanium	10	.9	1	-1.1	<10
Vanadium	50	.5	.5	0.0	<50
Zinc	20	3	3	2.7	<20

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/03/14					02/03/14	
Metal	FA12118-1 Original	DUP	RPD	QC Limits	FA12118-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	0.0	0.0	NC	0-20	0.0	28600	27000	105.9	80-120
Antimony	0.0	0.0	NC	0-20	0.0	536	500	107.2	80-120
Arsenic	6.4	6.8	6.1	0-20	6.4	2160	2000	107.7	80-120
Barium	32.7	32.9	0.6	0-20	32.7	2210	2000	108.9	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	53.1	50	106.2	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	50.1	50	100.2	80-120
Calcium	588000	592000	0.7	0-20	588000	582000	25000	-24.0(c)	80-120
Chromium	1.1	1.5	30.8 (a)	0-20	1.1	213	200	106.0	80-120
Cobalt	15.4	15.3	0.7	0-20	15.4	526	500	102.1	80-120
Copper	0.0	0.0	NC	0-20	0.0	269	250	107.6	80-120
Iron	5330	5310	0.4	0-20	5330	31600	26000	101.0	80-120
Lead	0.0	0.0	NC	0-20	0.0	516	500	103.2	80-120
Magnesium	55000	55200	0.4	0-20	55000	77400	25000	89.6	80-120
Manganese	10700	10800	0.9	0-20	10700	10800	500	20.0 (c)	80-120
Molybdenum	0.0	0.0	NC	0-20	0.0	491	500	98.2	80-120
Nickel	12.2	12.0	1.7	0-20	12.2	531	500	103.8	80-120
Potassium	2140	2110	1.4	0-20	2140	30000	25000	111.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2150	2000	107.5	80-120
Silver	1.0	1.5	40.0 (a)	0-20	1.0	53.9	50	105.8	80-120
Sodium	138000	136000(b	1.5	0-20	138000	155000(b	25000	68.0 (c)	80-120
Strontium	4150	4100	1.2	0-20	4150	4380	500	46.0 (c)	80-120
Thallium	10.6	9.2	14.1	0-20	10.6	2060	2000	102.5	80-120
Tin	0.0	0.0	NC	0-20	0.0	496	500	99.2	80-120
Titanium	1.0	0.0	200.0(a)	0-20	1.0	510	500	101.8	80-120
Vanadium	4.8	4.6	4.3	0-20	4.8	514	500	101.8	80-120
Zinc	8.0	7.8	2.5	0-20	8.0	517	500	101.8	80-120

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Above linear range. For QC purposes only.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12118-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	0.0	29200	27000	108.1	2.1	20
Antimony	0.0	539	500	107.8	0.6	20
Arsenic	6.4	2180	2000	108.7	0.9	20
Barium	32.7	2220	2000	109.4	0.5	20
Beryllium	0.0	53.4	50	106.8	0.6	20
Cadmium	0.0	50.3	50	100.6	0.4	20
Calcium	588000	593000	25000	20.0 (a)	1.9	20
Chromium	1.1	215	200	107.0	0.9	20
Cobalt	15.4	529	500	102.7	0.6	20
Copper	0.0	272	250	108.8	1.1	20
Iron	5330	32300	26000	103.7	2.2	20
Lead	0.0	520	500	104.0	0.8	20
Magnesium	55000	78700	25000	94.8	1.7	20
Manganese	10700	11000	500	60.0 (a)	1.8	20
Molybdenum	0.0	503	500	100.6	2.4	20
Nickel	12.2	534	500	104.4	0.6	20
Potassium	2140	30800	25000	114.6	2.6	20
Selenium	0.0	2180	2000	109.0	1.4	20
Silver	1.0	54.4	50	106.8	0.9	20
Sodium	138000	158000(b	25000	80.0	1.9	20
Strontium	4150	4530	500	76.0 (a)	3.4	20
Thallium	10.6	2080	2000	103.5	1.0	20
Tin	0.0	508	500	101.6	2.4	20
Titanium	1.0	525	500	104.8	2.9	20
Vanadium	4.8	516	500	102.2	0.4	20
Zinc	8.0	521	500	102.6	0.8	20

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Above linear range. For QC purposes only.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27500	27000	101.9	80-120
Antimony	485	500	97.0	80-120
Arsenic	1950	2000	97.5	80-120
Barium	2040	2000	102.0	80-120
Beryllium	51.3	50	102.6	80-120
Cadmium	49.3	50	98.6	80-120
Calcium	25600	25000	102.4	80-120
Chromium	206	200	103.0	80-120
Cobalt	497	500	99.4	80-120
Copper	257	250	102.8	80-120
Iron	26400	26000	101.5	80-120
Lead	499	500	99.8	80-120
Magnesium	25000	25000	100.0	80-120
Manganese	509	500	101.8	80-120
Molybdenum	471	500	94.2	80-120
Nickel	503	500	100.6	80-120
Potassium	26100	25000	104.4	80-120
Selenium	1940	2000	97.0	80-120
Silver	49.2	50	98.4	80-120
Sodium	25800	25000	103.2	80-120
Strontium	492	500	98.4	80-120
Thallium	2010	2000	100.5	80-120
Tin	486	500	97.2	80-120
Titanium	498	500	99.6	80-120
Vanadium	484	500	96.8	80-120
Zinc	503	500	100.6	80-120

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12118-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	6.40	0.00	100.0(a)	0-10
Barium	32.7	35.0	7.0	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	588000	627000	6.5	0-10
Chromium	1.10	0.00	100.0(a)	0-10
Cobalt	15.4	15.7	1.9	0-10
Copper	0.00	0.00	NC	0-10
Iron	5330	5370	0.8	0-10
Lead	0.00	6.80	NC	0-10
Magnesium	55000	57800	5.0	0-10
Manganese	10700	11700	8.7	0-10
Molybdenum	0.00	0.00	NC	0-10
Nickel	12.2	11.9	2.5	0-10
Potassium	2140	1780	16.9 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	1.00	0.00	100.0(a)	0-10
Sodium	138000	142000	2.9	0-10
Strontium	4150	4210	1.3	0-10
Thallium	10.6	13.1	23.6 (a)	0-10
Tin	0.00	0.00	NC	0-10
Titanium	1.00	0.00	100.0(a)	0-10
Vanadium	4.80	4.60	4.2	0-10
Zinc	8.00	0.00	100.0(a)	0-10

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12118-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10			2651	0.2	125	2500	106.0	80-120
Antimony	9.8	10			107.5	0.2	5	100	107.5	80-120
Arsenic	9.8	10	6.4	6.272	115.1	0.2	5	100	108.8	80-120
Barium	9.8	10	32.7	32.046	300.5	0.2	12.5	250	107.4	80-120
Beryllium	9.8	10			52.1	0.2	2.5	50	104.2	80-120
Cadmium	9.8	10			49.9	0.2	2.5	50	99.8	80-120
Calcium	9.8	10	588300	576534	585800	0.2	250	5000	185.3*(a	80-120
Chromium	9.8	10	1.1	1.078	53.2	0.2	2.5	50	104.2	80-120
Cobalt	9.8	10	15.4	15.092	65.7	0.2	2.5	50	101.2	80-120
Copper	9.8	10			102.7	0.2	5	100	102.7	80-120
Iron	9.8	10	5328	5221.44	8201	0.2	150	3000	99.3	80-120
Lead	9.8	10			51	0.2	2.5	50	102.0	80-120
Magnesium	9.8	10	55000	53900	59370	0.2	250	5000	109.4	80-120
Manganese	9.8	10	10740	10525.2	10730	0.2	2.5	50	409.6*(a	80-120
Molybdenum	9.8	10			99.3	0.2	5	100	99.3	80-120
Nickel	9.8	10	12.2	11.956	115.2	0.2	5	100	103.2	80-120
Potassium	9.8	10	2144	2101.12	13060	0.2	500	10000	109.6	80-120
Selenium	9.8	10			102.1	0.2	5	100	102.1	80-120
Silver	9.8	10	1	.98	54.8	0.2	2.5	50	107.6	80-120
Sodium	9.8	10	137900	135142	144400	0.2	500	10000	92.6	80-120
Strontium	9.8	10	4152	4068.96	4120	0.2	2.5	50	102.1	80-120
Thallium	9.8	10	10.6	10.388	112.6	0.2	5	100	102.2	80-120
Tin	9.8	10			48.1	0.2	2.5	50	96.2	80-120
Titanium	9.8	10	1	.98	104.1	0.2	5	100	103.1	80-120
Vanadium	9.8	10	4.8	4.704	54.4	0.2	2.5	50	99.4	80-120
Zinc	9.8	10	8	7.84	259.8	0.2	12.5	250	100.8	80-120

Associated samples MP26762: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.060	<0.50

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14 02/07/14

Metal	FA12080-1 Original	DUP	RPD	QC Limits	FA12080-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	2.3	26.4*(a)	0-20	3.0	5.8	3	93.3	80-120

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High RPD indicates possible matrix interference. Aqueous sample contains heavy sediment layer.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	3.0	4.5	3	50.0N(a)	25.2 (a)	20

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12080
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	2.95	2.51	15.1*(a)	0-10

Associated samples MP26787: FA12080-1, FA12080-2, FA12080-3, FA12080-4, FA12080-5, FA12080-6, FA12080-7, FA12080-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

Southeast
ACCUTEST LABORATORIES

02/12/14

Technical Report for

ISI Environmental Services

Clean Harbors; KS

Accutest Job Number: FA12103

Sampling Date: 01/30/14

Report to:

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Total number of pages in report: **183**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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8.1: Prep QC MP26765: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se, Ag,Na,Sr,Tl,Sn,Ti,V,Zn 162
8.2: Prep QC MP26766: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se, Ag,Na,Sr,Tl,Sn,Ti,V,Zn 168
8.3: Prep QC MP26787: Hg 174
8.4: Prep QC MP26788: Hg 179

Sample Summary

ISI Environmental Services

Clean Harbors; KS

Job No: FA12103

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12103-1	01/30/14	09:20	BGSK	01/31/14	AQ	Water	BLD D RM 1A
FA12103-2	01/30/14	09:45	BGSK	01/31/14	AQ	Water	BLD D RM 1R
FA12103-3	01/30/14	10:45	BGSK	01/31/14	AQ	Water	BLD D RM 2
FA12103-4	01/30/14	12:00	BGSK	01/31/14	AQ	Water	BLD D RM 5D
FA12103-5	01/30/14	14:00	BGSK	01/31/14	AQ	Water	BLD D RM 5C
FA12103-6	01/30/14	14:20	BGSK	01/31/14	AQ	Water	BLD D RMS 1A & 1B
FA12103-7	01/30/14	14:30	BGSK	01/31/14	AQ	Water	BLD D RM 5B
FA12103-8	01/30/14	15:20	BGSK	01/31/14	AQ	Water	BLD D RM 5A
FA12103-8F	01/30/14	15:20	BGSK	01/31/14	AQ	Water Filtered	BLD D RM 5A
FA12103-9	01/30/14	15:45	BGSK	01/31/14	AQ	Water	BLD D RMS 5A-5D
FA12103-10	01/30/14	00:00	BGSK	01/31/14	AQ	Water	DUP 1
FA12103-11	01/30/14	00:00	BGSK	01/31/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12103-1	**BLD D RM 1A**					
Benzene		0.94 J	1.0	0.24	ug/l	SW846 8260B
4-Methyl-2-pentanone		1.7 J	5.0	1.0	ug/l	SW846 8260B
Toluene		0.79 J	1.0	0.20	ug/l	SW846 8260B
o-Xylene		0.26 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		22.2 J	47	9.4	ug/l	SW846 8270D
2,4-Dimethylphenol		1.2 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		0.81 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.6 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		5.4	4.7	0.56	ug/l	SW846 8270D
4-Nitrophenol		5.2 J	24	4.7	ug/l	SW846 8270D
Phenol		14.7	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		0.83 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		11.3	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		3.1 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		2.3 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		34.7	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		52.9	4.7	1.5	ug/l	SW846 8270D
alpha-Chlordane [a]		0.18	0.047	0.0047	ug/l	SW846 8081B
gamma-Chlordane [b]		0.16	0.047	0.0047	ug/l	SW846 8081B
Dieldrin [b]		0.011 J	0.047	0.0047	ug/l	SW846 8081B
4,4'-DDE [a]		0.010 J	0.094	0.0094	ug/l	SW846 8081B
Aroclor 1260 [a]		1.1	0.47	0.19	ug/l	SW846 8082A
2,4-D [c]		3.6 J	19	3.4	ug/l	SW846 8151A
Dicamba [c]		0.83 J	1.9	0.51	ug/l	SW846 8151A
Aluminum [d]		287000	2000		ug/l	SW846 6010C
Antimony [d]		98.5	60		ug/l	SW846 6010C
Arsenic [d]		145	100		ug/l	SW846 6010C
Barium [d]		19400	2000		ug/l	SW846 6010C
Cadmium [d]		451	50		ug/l	SW846 6010C
Calcium [d]		1260000	10000		ug/l	SW846 6010C
Chromium [d]		6310	100		ug/l	SW846 6010C
Cobalt [d]		1100	500		ug/l	SW846 6010C
Copper [d]		2930	250		ug/l	SW846 6010C
Iron [d]		780000	3000		ug/l	SW846 6010C
Lead [d]		30600	50		ug/l	SW846 6010C
Magnesium [d]		188000	50000		ug/l	SW846 6010C
Manganese [d]		13700	150		ug/l	SW846 6010C
Mercury		69.7	10		ug/l	SW846 7470A
Nickel [d]		1130	400		ug/l	SW846 6010C
Sodium [d]		113000	100000		ug/l	SW846 6010C
Strontium [d]		6020	100		ug/l	SW846 6010C
Titanium [d]		6970	100		ug/l	SW846 6010C
Vanadium [d]		565	500		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc [d]		55600	200		ug/l	SW846 6010C
FA12103-2	**BLD D RM 1R**					
Benzene		1.8	1.0	0.24	ug/l	SW846 8260B
Bromodichloromethane		0.45 J	1.0	0.26	ug/l	SW846 8260B
Bromoform		1.3	1.0	0.38	ug/l	SW846 8260B
Dibromochloromethane		0.58 J	1.0	0.36	ug/l	SW846 8260B
Ethylbenzene		0.70 J	1.0	0.28	ug/l	SW846 8260B
Naphthalene		2.0 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.35 J	2.0	0.24	ug/l	SW846 8260B
Toluene		3.4	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.8 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.2	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		10.8 J	47	9.4	ug/l	SW846 8270D
3&4-Methylphenol		2.0 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		3.7 J	4.7	0.56	ug/l	SW846 8270D
Phenol		6.0	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		0.92 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		10.2	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		1.5 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.0 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		11.8	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		20.9	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.90 J	4.7	0.47	ug/l	SW846 8270D
alpha-Chlordane [a]		0.081	0.047	0.0047	ug/l	SW846 8081B
gamma-Chlordane [b]		0.033 J	0.047	0.0047	ug/l	SW846 8081B
Dieldrin [b]		0.016 J	0.047	0.0047	ug/l	SW846 8081B
Aroclor 1260 [a]		0.60	0.47	0.19	ug/l	SW846 8082A
Aluminum		22700	200		ug/l	SW846 6010C
Antimony		21.3	6.0		ug/l	SW846 6010C
Arsenic		13.5	10		ug/l	SW846 6010C
Barium		968	200		ug/l	SW846 6010C
Cadmium		22.1	5.0		ug/l	SW846 6010C
Calcium		250000	1000		ug/l	SW846 6010C
Chromium		439	10		ug/l	SW846 6010C
Cobalt		91.8	50		ug/l	SW846 6010C
Copper		236	25		ug/l	SW846 6010C
Iron		60900	300		ug/l	SW846 6010C
Lead		1520	5.0		ug/l	SW846 6010C
Magnesium		26700	5000		ug/l	SW846 6010C
Manganese		2390	15		ug/l	SW846 6010C
Mercury		18.8	2.5		ug/l	SW846 7470A
Nickel		87.0	40		ug/l	SW846 6010C
Potassium		18500	10000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		84300	10000		ug/l	SW846 6010C
Strontium		1220	10		ug/l	SW846 6010C
Titanium		783	10		ug/l	SW846 6010C
Zinc		6820	20		ug/l	SW846 6010C
FA12103-3	**BLD D RM 2**					
Benzene		0.77 J	1.0	0.24	ug/l	SW846 8260B
4-Methyl-2-pentanone		1.3 J	5.0	1.0	ug/l	SW846 8260B
Toluene		0.64 J	1.0	0.20	ug/l	SW846 8260B
o-Xylene		0.21 J	1.0	0.20	ug/l	SW846 8260B
2-Nitrophenol		2.6 J	4.7	0.56	ug/l	SW846 8270D
Phenol		3.3 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		1.4 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		5.8	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		2.5 J	4.7	0.59	ug/l	SW846 8270D
Di-n-octyl phthalate		0.99 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		13.8	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		24.5	4.7	1.5	ug/l	SW846 8270D
Aroclor 1260 [a]		1.1	0.47	0.19	ug/l	SW846 8082A
Aluminum		18600	200		ug/l	SW846 6010C
Antimony		22.2	6.0		ug/l	SW846 6010C
Arsenic		13.4	10		ug/l	SW846 6010C
Barium		898	200		ug/l	SW846 6010C
Cadmium		51.5	5.0		ug/l	SW846 6010C
Calcium		231000	1000		ug/l	SW846 6010C
Chromium		619	10		ug/l	SW846 6010C
Cobalt		127	50		ug/l	SW846 6010C
Copper		197	25		ug/l	SW846 6010C
Iron		34100	300		ug/l	SW846 6010C
Lead		2300	5.0		ug/l	SW846 6010C
Magnesium		22400	5000		ug/l	SW846 6010C
Manganese		1130	15		ug/l	SW846 6010C
Mercury		13.4	2.5		ug/l	SW846 7470A
Nickel		64.3	40		ug/l	SW846 6010C
Potassium		18700	10000		ug/l	SW846 6010C
Sodium		102000	20000		ug/l	SW846 6010C
Strontium		997	10		ug/l	SW846 6010C
Titanium		557	10		ug/l	SW846 6010C
Zinc		5510	40		ug/l	SW846 6010C
FA12103-4	**BLD D RM 5D**					
Acrolein		8.6 J	20	6.4	ug/l	SW846 8260B
Benzene		2.6	1.0	0.24	ug/l	SW846 8260B

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Bromodichloromethane	1.3	1.0	0.26	ug/l	SW846 8260B
Chloroform	0.97 J	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane	1.3	1.0	0.36	ug/l	SW846 8260B
Ethylbenzene	0.73 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone	2.6 J	5.0	1.0	ug/l	SW846 8260B
Naphthalene	2.4 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	0.98 J	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	0.23 J	2.0	0.20	ug/l	SW846 8260B
Toluene	4.3	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene	2.4	2.0	0.48	ug/l	SW846 8260B
o-Xylene	1.3	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid	69.2	47	9.4	ug/l	SW846 8270D
2,4-Dimethylphenol	1.2 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol	2.5 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol	4.2 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol	1.6 J	4.7	0.56	ug/l	SW846 8270D
4-Nitrophenol	6.7 J	24	4.7	ug/l	SW846 8270D
Phenol	12.0	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate	2.0 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol	22.0	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene	2.2 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate	1.7 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate	3.2 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	9.1	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene	0.66 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene	1.7 J	4.7	0.47	ug/l	SW846 8270D
2,4-D [c]	10.4 J	19	3.4	ug/l	SW846 8151A
Dicamba [c]	0.71 J	1.9	0.51	ug/l	SW846 8151A
Aluminum	18300	200		ug/l	SW846 6010C
Antimony	55.9	6.0		ug/l	SW846 6010C
Arsenic	20.1	10		ug/l	SW846 6010C
Barium	1020	200		ug/l	SW846 6010C
Cadmium	40.4	5.0		ug/l	SW846 6010C
Calcium	295000	1000		ug/l	SW846 6010C
Chromium	1590	10		ug/l	SW846 6010C
Cobalt	148	50		ug/l	SW846 6010C
Copper	347	25		ug/l	SW846 6010C
Iron	29500	300		ug/l	SW846 6010C
Lead	1110	5.0		ug/l	SW846 6010C
Magnesium	29700	5000		ug/l	SW846 6010C
Manganese	1070	15		ug/l	SW846 6010C
Mercury	16.3	2.5		ug/l	SW846 7470A
Nickel	110	40		ug/l	SW846 6010C
Potassium	59800	10000		ug/l	SW846 6010C
Sodium	199000	40000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Strontium		2290	10		ug/l	SW846 6010C
Titanium		474	10		ug/l	SW846 6010C
FA12103-5	**BLD D RM 5C**					
Benzene		2.0	1.0	0.24	ug/l	SW846 8260B
Bromodichloromethane		0.51 J	1.0	0.26	ug/l	SW846 8260B
Chloroform		0.39 J	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		0.52 J	1.0	0.36	ug/l	SW846 8260B
Ethylbenzene		0.67 J	1.0	0.28	ug/l	SW846 8260B
4-Methyl-2-pentanone		1.2 J	5.0	1.0	ug/l	SW846 8260B
Naphthalene		2.9 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1.1 J	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		0.23 J	2.0	0.20	ug/l	SW846 8260B
Toluene		3.2	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		2.0	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.1	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		81.3	47	9.4	ug/l	SW846 8270D
2,4-Dimethylphenol		1.0 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		2.1 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		3.5 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		1.5 J	4.7	0.56	ug/l	SW846 8270D
4-Nitrophenol		6.0 J	24	4.7	ug/l	SW846 8270D
Phenol		16.1	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		0.77 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		1.8 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		46.1	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		2.7 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		1.4 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		2.4 J	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		16.9	4.7	1.5	ug/l	SW846 8270D
Isophorone		0.54 J	4.7	0.47	ug/l	SW846 8270D
1-Methylnaphthalene		0.47 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		0.65 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.5 J	4.7	0.47	ug/l	SW846 8270D
Aluminum		6440	200		ug/l	SW846 6010C
Antimony		19.9	6.0		ug/l	SW846 6010C
Arsenic		10.5	10		ug/l	SW846 6010C
Barium		548	200		ug/l	SW846 6010C
Cadmium		30.6	5.0		ug/l	SW846 6010C
Calcium		135000	1000		ug/l	SW846 6010C
Chromium		314	10		ug/l	SW846 6010C
Cobalt		76.6	50		ug/l	SW846 6010C
Copper		218	25		ug/l	SW846 6010C
Iron		18600	300		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		596	5.0		ug/l	SW846 6010C
Magnesium		20800	5000		ug/l	SW846 6010C
Manganese		415	15		ug/l	SW846 6010C
Mercury		6.4	1.0		ug/l	SW846 7470A
Nickel		111	40		ug/l	SW846 6010C
Potassium		41400	10000		ug/l	SW846 6010C
Sodium		167000	40000		ug/l	SW846 6010C
Strontium		782	10		ug/l	SW846 6010C
Titanium		205	10		ug/l	SW846 6010C
Zinc		4070	20		ug/l	SW846 6010C
FA12103-7	**BLD D RM 5B**					
Benzene		1.7	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.62 J	1.0	0.28	ug/l	SW846 8260B
Naphthalene		2.8 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.98 J	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		0.25 J	2.0	0.20	ug/l	SW846 8260B
Toluene		2.9	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		2.0	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.2	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		25.2 J	47	9.4	ug/l	SW846 8270D
2,4-Dimethylphenol		0.84 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		2.1 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.7 J	4.7	1.1	ug/l	SW846 8270D
Phenol		7.5	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		1.1 J	4.7	0.47	ug/l	SW846 8270D
Benzo(a)anthracene		0.67 J	4.7	0.61	ug/l	SW846 8270D
Benzo(k)fluoranthene		0.54 J	4.7	0.48	ug/l	SW846 8270D
Butyl benzyl phthalate		3.5 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		36.7	4.7	0.94	ug/l	SW846 8270D
Chrysene		1.0 J	4.7	0.68	ug/l	SW846 8270D
Di-n-butyl phthalate		1.2 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		14.7	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		212	19	6.0	ug/l	SW846 8270D
Fluoranthene		1.7 J	4.7	0.66	ug/l	SW846 8270D
1-Methylnaphthalene		0.51 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		0.78 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.9 J	4.7	0.47	ug/l	SW846 8270D
Phenanthrene		2.6 J	4.7	0.56	ug/l	SW846 8270D
Pyrene		1.6 J	4.7	0.77	ug/l	SW846 8270D
Aluminum		4750	200		ug/l	SW846 6010C
Antimony		26.6	6.0		ug/l	SW846 6010C
Barium		639	200		ug/l	SW846 6010C
Cadmium		24.2	5.0		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		109000	1000		ug/l	SW846 6010C
Chromium		430	10		ug/l	SW846 6010C
Cobalt		78.5	50		ug/l	SW846 6010C
Copper		218	25		ug/l	SW846 6010C
Iron		13800	300		ug/l	SW846 6010C
Lead		523	5.0		ug/l	SW846 6010C
Magnesium		18900	5000		ug/l	SW846 6010C
Manganese		346	15		ug/l	SW846 6010C
Mercury		10.2	2.5		ug/l	SW846 7470A
Nickel		60.9	40		ug/l	SW846 6010C
Potassium		28200	10000		ug/l	SW846 6010C
Sodium		128000	40000		ug/l	SW846 6010C
Strontium		763	10		ug/l	SW846 6010C
Titanium		153	10		ug/l	SW846 6010C
Zinc		2920	20		ug/l	SW846 6010C
FA12103-8	**BLD D RM 5A**					
Acetone		23.3 J	25	11	ug/l	SW846 8260B
Acrolein		7.9 J	20	6.4	ug/l	SW846 8260B
Benzene		4.7	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		1.9	1.0	0.28	ug/l	SW846 8260B
Methyl ethyl ketone		1.8 J	5.0	1.5	ug/l	SW846 8260B
Naphthalene		4.3	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene [e]		0.36 J	1.0	0.24	ug/l	SW846 8260B
Styrene		0.61 J	1.0	0.23	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		3.5	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		0.84 J	2.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		0.27 J	1.0	0.26	ug/l	SW846 8260B
Toluene		9.6	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		6.8	2.0	0.48	ug/l	SW846 8260B
o-Xylene		3.6	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		73.8	47	9.4	ug/l	SW846 8270D
2,4-Dimethylphenol		1.9 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		4.3 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		6.7	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		1.0 J	4.7	0.56	ug/l	SW846 8270D
4-Nitrophenol		5.6 J	24	4.7	ug/l	SW846 8270D
Phenol		13.4	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		1.9 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		2.5 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		30.1	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		3.1 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		1.3 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.2 J	4.7	0.94	ug/l	SW846 8270D

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
bis(2-Ethylhexyl)phthalate	62.1	4.7	1.5	ug/l	SW846 8270D
Fluoranthene	0.66 J	4.7	0.66	ug/l	SW846 8270D
1-Methylnaphthalene	0.84 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene	1.5 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene	3.7 J	4.7	0.47	ug/l	SW846 8270D
Phenanthrene	0.90 J	4.7	0.56	ug/l	SW846 8270D
Pyrene	0.82 J	4.7	0.77	ug/l	SW846 8270D
Aroclor 1260 [a]	0.21 J	0.47	0.19	ug/l	SW846 8082A
2,4-D [c]	9.9 J	19	3.4	ug/l	SW846 8151A
Aluminum	8080	200		ug/l	SW846 6010C
Antimony	53.6	6.0		ug/l	SW846 6010C
Arsenic	12.8	10		ug/l	SW846 6010C
Barium	1010	200		ug/l	SW846 6010C
Cadmium	72.6	5.0		ug/l	SW846 6010C
Calcium	192000	1000		ug/l	SW846 6010C
Chromium	656	10		ug/l	SW846 6010C
Cobalt	125	50		ug/l	SW846 6010C
Copper	550	25		ug/l	SW846 6010C
Iron	22600	300		ug/l	SW846 6010C
Lead	842	5.0		ug/l	SW846 6010C
Magnesium	30500	5000		ug/l	SW846 6010C
Manganese	639	15		ug/l	SW846 6010C
Mercury	25.5	5.0		ug/l	SW846 7470A
Nickel	96.8	40		ug/l	SW846 6010C
Potassium	54500	10000		ug/l	SW846 6010C
Sodium	233000	40000		ug/l	SW846 6010C
Strontium	1640	10		ug/l	SW846 6010C
Titanium	258	10		ug/l	SW846 6010C
Zinc	6550	20		ug/l	SW846 6010C
FA12103-10 DUP 1					
Benzene	0.65 J	1.0	0.24	ug/l	SW846 8260B
4-Methyl-2-pentanone	1.1 J	5.0	1.0	ug/l	SW846 8260B
Toluene	0.52 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [e]	12.7 J	47	9.4	ug/l	SW846 8270D
2-Nitrophenol	2.4 J	4.7	0.56	ug/l	SW846 8270D
Phenol	2.3 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate	0.98 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol	3.4 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate	12.2	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	14.7	4.7	1.5	ug/l	SW846 8270D
alpha-Chlordane [f]	0.075 J	0.093	0.0093	ug/l	SW846 8081B
Aroclor 1260 [a]	1.1	0.47	0.19	ug/l	SW846 8082A
2,4-D [c]	2.0 J	4.7	0.86	ug/l	SW846 8151A

Summary of Hits

Job Number: FA12103
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Aluminum		21500	200		ug/l	SW846 6010C
Antimony		26.1	6.0		ug/l	SW846 6010C
Arsenic		14.3	10		ug/l	SW846 6010C
Barium		1000	200		ug/l	SW846 6010C
Cadmium		57.3	5.0		ug/l	SW846 6010C
Calcium		241000	1000		ug/l	SW846 6010C
Chromium		697	10		ug/l	SW846 6010C
Cobalt		143	50		ug/l	SW846 6010C
Copper		221	25		ug/l	SW846 6010C
Iron		38500	300		ug/l	SW846 6010C
Lead		2720	5.0		ug/l	SW846 6010C
Magnesium		23900	5000		ug/l	SW846 6010C
Manganese		1250	15		ug/l	SW846 6010C
Mercury		13.6	2.5		ug/l	SW846 7470A
Nickel		73.9	40		ug/l	SW846 6010C
Potassium		19400	10000		ug/l	SW846 6010C
Sodium		101000	20000		ug/l	SW846 6010C
Strontium		1020	10		ug/l	SW846 6010C
Titanium		610	10		ug/l	SW846 6010C
Zinc		5840	20		ug/l	SW846 6010C

FA12103-11 TRIP BLANK

No hits reported in this sample.

(a) All hits confirmed by dual column analysis.
(b) All hits confirmed by dual column analysis. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(d) Elevated reporting limit(s) due to matrix interference.
(e) Associated BS recovery outside control limits.
(f) All hits confirmed by dual column analysis. Dilution required due to matrix interference. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12103-1	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17826.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.94	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1A
Lab Sample ID: FA12103-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	1.7	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.79	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	0.26	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12103-1	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	90%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1A
Lab Sample ID: FA12103-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0676839.D	1	02/07/14	NAF	02/03/14	OP50319	SL3400
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	22.2	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.2	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.81	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.6	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	5.4	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	5.2	24	4.7	ug/l	J
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	14.7	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	0.83	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	11.3	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1A
Lab Sample ID: FA12103-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	3.1	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	2.3	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	34.7	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	52.9	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12103-1	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	97%		33-118%
4165-60-0	Nitrobenzene-d5	79%		42-108%
321-60-8	2-Fluorobiphenyl	80%		40-106%
1718-51-0	Terphenyl-d14	94%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12103-1	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043329.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	3.6	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	0.83	1.9	0.51	ug/l	J
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12103-1	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61503.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	0.18	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane [b]	0.16	0.047	0.0047	ug/l	
60-57-1	Dieldrin [b]	0.011	0.047	0.0047	ug/l	J
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	0.010	0.094	0.0094	ug/l	J
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		42-127%
2051-24-3	Decachlorobiphenyl	50%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12103-1	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124034.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	1.1	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		38-127%
2051-24-3	Decachlorobiphenyl	39%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1A
Lab Sample ID: FA12103-1
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	287000	2000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	98.5	60	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	145	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Barium [a]	19400	2000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Beryllium [a]	< 40	40	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	451	50	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	1260000	10000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	6310	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Cobalt [a]	1100	500	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Copper [a]	2930	250	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Iron [a]	780000	3000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Lead [a]	30600	50	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium [a]	188000	50000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Manganese [a]	13700	150	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	69.7	10	ug/l	20	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [4]
Molybdenum [a]	< 500	500	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Nickel [a]	1130	400	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium [a]	< 100000	100000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	< 100	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Silver [a]	< 100	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium [a]	113000	100000	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Strontium [a]	6020	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Thallium [a]	< 100	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Tin [a]	< 500	500	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Titanium [a]	6970	100	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Vanadium [a]	565	500	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Zinc [a]	55600	200	ug/l	10	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA11378
(2) Instrument QC Batch: MA11382
(3) Prep QC Batch: MP26765
(4) Prep QC Batch: MP26787

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BLD D RM 1R
Lab Sample ID: FA12103-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17827.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.8	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	0.45	1.0	0.26	ug/l	J
75-25-2	Bromoform	1.3	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	0.58	1.0	0.36	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1R
Lab Sample ID: FA12103-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.70	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.0	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.35	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	3.4	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.8	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.2	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1R		
Lab Sample ID:	FA12103-2	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1R
Lab Sample ID: FA12103-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043372.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	10.8	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	2.0	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	3.7	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	6.0	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	0.92	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	10.2	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1R
Lab Sample ID: FA12103-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	1.5	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	1.0	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	11.8	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	20.9	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.90	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1R		
Lab Sample ID:	FA12103-2	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-67%
4165-62-2	Phenol-d5	18%		10-50%
118-79-6	2,4,6-Tribromophenol	69%		33-118%
4165-60-0	Nitrobenzene-d5	60%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	89%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1R		
Lab Sample ID:	FA12103-2	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043330.D	10	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	9.3	1.7	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.93	0.28	ug/l	
93-76-5	2,4,5-T	ND	0.93	0.27	ug/l	
1918-00-9	Dicamba	ND	0.93	0.26	ug/l	
88-85-7	Dinoseb	ND	19	4.7	ug/l	
75-99-0	Dalapon	ND	23	9.3	ug/l	
120-36-5	Dichloroprop	ND	9.3	2.0	ug/l	
94-82-6	2,4-DB	ND	9.3	3.1	ug/l	
93-65-2	MCPP	ND	930	120	ug/l	
94-74-6	MCPA	ND	930	200	ug/l	
87-86-5	Pentachlorophenol	ND	0.93	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1R		
Lab Sample ID:	FA12103-2	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61504.D	1	02/05/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	0.081	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane [b]	0.033	0.047	0.0047	ug/l	J
60-57-1	Dieldrin [b]	0.016	0.047	0.0047	ug/l	J
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		42-127%
2051-24-3	Decachlorobiphenyl	30%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1R		
Lab Sample ID:	FA12103-2	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124035.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.60	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		38-127%
2051-24-3	Decachlorobiphenyl	63%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1R
Lab Sample ID: FA12103-2
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	22700	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	21.3	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	13.5	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Barium	968	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	22.1	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	250000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	439	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Cobalt	91.8	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Copper	236	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	60900	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	1520	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	26700	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Manganese	2390	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Mercury	18.8	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Nickel	87.0	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	18500	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	84300	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Strontium	1220	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Titanium	783	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]
Zinc	6820	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Prep QC Batch: MP26766
(4) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17828.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.77	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 2
Lab Sample ID: FA12103-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	1.3	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.64	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	0.21	1.0	0.20	ug/l	J

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	90%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043373.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	2.6	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	3.3	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	1.4	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	5.8	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 2
Lab Sample ID: FA12103-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	2.5	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	0.99	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	13.8	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	24.5	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		14-67%
4165-62-2	Phenol-d5	19%		10-50%
118-79-6	2,4,6-Tribromophenol	74%		33-118%
4165-60-0	Nitrobenzene-d5	60%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043331.D	10	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	9.3	1.7	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.93	0.28	ug/l	
93-76-5	2,4,5-T	ND	0.93	0.27	ug/l	
1918-00-9	Dicamba	ND	0.93	0.26	ug/l	
88-85-7	Dinoseb	ND	19	4.7	ug/l	
75-99-0	Dalapon	ND	23	9.3	ug/l	
120-36-5	Dichloroprop	ND	9.3	2.0	ug/l	
94-82-6	2,4-DB	ND	9.3	3.1	ug/l	
93-65-2	MCPP	ND	930	120	ug/l	
94-74-6	MCPA	ND	930	200	ug/l	
87-86-5	Pentachlorophenol	ND	0.93	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61505.D	1	02/05/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		42-127%
2051-24-3	Decachlorobiphenyl	31%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12103-3	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124036.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	1.1	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		38-127%
2051-24-3	Decachlorobiphenyl	47%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 2
Lab Sample ID: FA12103-3
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	18600	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	22.2	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	13.4	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	898	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	51.5	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	231000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	619	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	127	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	197	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	34100	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	2300	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	22400	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	1130	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	13.4	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	64.3	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	18700	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	102000	20000	ug/l	2	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	997	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	557	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	5510	40	ug/l	2	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12103-4	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17829.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	8.6	20	6.4	ug/l	J
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	2.6	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	1.3	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.97	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	1.3	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5D
Lab Sample ID: FA12103-4
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.73	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	2.6	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.4	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.98	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.23	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	4.3	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	2.4	2.0	0.48	ug/l	
95-47-6	o-Xylene	1.3	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12103-4	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12103-4	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043374.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	69.2	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.2	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.5	4.7	0.47	ug/l	J
	3&4-Methylphenol	4.2	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	1.6	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	6.7	24	4.7	ug/l	J
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	12.0	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	2.0	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	22.0	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5D
Lab Sample ID: FA12103-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	2.2	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.7	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	3.2	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	9.1	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.66	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.7	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5D
Lab Sample ID: FA12103-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	76%		33-118%
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	93%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12103-4	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043332.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	10.4	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	0.71	1.9	0.51	ug/l	J
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12103-4	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61575.D	5	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.23	0.023	ug/l	
319-84-6	alpha-BHC	ND	0.23	0.023	ug/l	
319-85-7	beta-BHC	ND	0.23	0.023	ug/l	
319-86-8	delta-BHC	ND	0.23	0.023	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.23	0.023	ug/l	
5103-71-9	alpha-Chlordane	ND	0.23	0.023	ug/l	
5103-74-2	gamma-Chlordane	ND	0.23	0.023	ug/l	
60-57-1	Dieldrin	ND	0.23	0.023	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.23	0.023	ug/l	
33213-65-9	Endosulfan-II	ND	0.23	0.023	ug/l	
76-44-8	Heptachlor	ND	0.23	0.023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.23	0.023	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%		42-127%
2051-24-3	Decachlorobiphenyl	60%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12103-4	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124055.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		38-127%
2051-24-3	Decachlorobiphenyl	62%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5D
Lab Sample ID: FA12103-4
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	18300	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	55.9	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	20.1	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	1020	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	40.4	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	295000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	1590	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	148	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	347	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	29500	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	1110	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	29700	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	1070	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	16.3	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	110	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	59800	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	199000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	2290	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	474	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17830.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	2.0	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	0.51	1.0	0.26	ug/l	J
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.39	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	0.52	1.0	0.36	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5C
Lab Sample ID: FA12103-5
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.67	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	1.2	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.9	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.1	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.23	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	3.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	2.0	2.0	0.48	ug/l	
95-47-6	o-Xylene	1.1	1.0	0.20	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043375.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	81.3	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.0	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.1	4.7	0.47	ug/l	J
	3&4-Methylphenol	3.5	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	1.5	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	6.0	24	4.7	ug/l	J
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	16.1	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.77	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	1.8	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	46.1	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5C
Lab Sample ID: FA12103-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	2.7	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.4	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	2.4	4.7	0.59	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	16.9	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	0.54	4.7	0.47	ug/l	J
90-12-0	1-Methylnaphthalene	0.47	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	0.65	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.5	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-67%
4165-62-2	Phenol-d5	22%		10-50%
118-79-6	2,4,6-Tribromophenol	78%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	98%		39-121%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043333.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61576.D	2	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.094	0.0094	ug/l	
319-84-6	alpha-BHC	ND	0.094	0.0094	ug/l	
319-85-7	beta-BHC	ND	0.094	0.0094	ug/l	
319-86-8	delta-BHC	ND	0.094	0.0094	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.094	0.0094	ug/l	
5103-71-9	alpha-Chlordane	ND	0.094	0.0094	ug/l	
5103-74-2	gamma-Chlordane	ND	0.094	0.0094	ug/l	
60-57-1	Dieldrin	ND	0.094	0.0094	ug/l	
72-54-8	4,4'-DDD	ND	0.19	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.19	0.019	ug/l	
50-29-3	4,4'-DDT	ND	0.19	0.019	ug/l	
72-20-8	Endrin	ND	0.19	0.019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.19	0.019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.19	0.019	ug/l	
53494-70-5	Endrin ketone	ND	0.19	0.019	ug/l	
959-98-8	Endosulfan-I	ND	0.094	0.0094	ug/l	
33213-65-9	Endosulfan-II	ND	0.094	0.0094	ug/l	
76-44-8	Heptachlor	ND	0.094	0.0094	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.094	0.0094	ug/l	
72-43-5	Methoxychlor	ND	0.19	0.019	ug/l	
8001-35-2	Toxaphene	ND	4.7	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		42-127%
2051-24-3	Decachlorobiphenyl	35%		27-127%

(a) Dilution required due to matrix interference.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12103-5	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124056.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		38-127%
2051-24-3	Decachlorobiphenyl	42%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5C
Lab Sample ID: FA12103-5
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6440	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	19.9	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	10.5	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	548	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	30.6	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	135000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	314	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	76.6	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	218	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	18600	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	596	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	20800	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	415	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	6.4	1.0	ug/l	2	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	111	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	41400	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	167000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	782	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	205	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	4070	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12103-7	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17831.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.7	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5B
Lab Sample ID: FA12103-7
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.62	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.8	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.98	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.25	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	2.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	2.0	2.0	0.48	ug/l	
95-47-6	o-Xylene	1.2	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12103-7	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	90%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5B
Lab Sample ID: FA12103-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043376.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676840.D	4	02/07/14	NAF	02/03/14	OP50319	SL3400

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	25.2	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.84	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	2.1	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.7	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	7.5	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	1.1	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	0.67	4.7	0.61	ug/l	J
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	0.54	4.7	0.48	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	3.5	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	36.7	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	1.0	4.7	0.68	ug/l	J

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Report of Analysis

Client Sample ID: BLD D RM 5B
Lab Sample ID: FA12103-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.2	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	14.7	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	212 [a]	19	6.0	ug/l	
206-44-0	Fluoranthene	1.7	4.7	0.66	ug/l	J
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.51	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	0.78	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.9	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	2.6	4.7	0.56	ug/l	J
129-00-0	Pyrene	1.6	4.7	0.77	ug/l	J
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12103-7	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%	31%	14-67%
4165-62-2	Phenol-d5	19%	21%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	89%	33-118%
4165-60-0	Nitrobenzene-d5	63%	71%	42-108%
321-60-8	2-Fluorobiphenyl	66%	76%	40-106%
1718-51-0	Terphenyl-d14	99%	99%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12103-7	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043336.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	3.4	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12103-7	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61577.D	2	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.093	0.0093	ug/l	
319-84-6	alpha-BHC	ND	0.093	0.0093	ug/l	
319-85-7	beta-BHC	ND	0.093	0.0093	ug/l	
319-86-8	delta-BHC	ND	0.093	0.0093	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.093	0.0093	ug/l	
5103-71-9	alpha-Chlordane	ND	0.093	0.0093	ug/l	
5103-74-2	gamma-Chlordane	ND	0.093	0.0093	ug/l	
60-57-1	Dieldrin	ND	0.093	0.0093	ug/l	
72-54-8	4,4'-DDD	ND	0.19	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.19	0.019	ug/l	
50-29-3	4,4'-DDT	ND	0.19	0.019	ug/l	
72-20-8	Endrin	ND	0.19	0.019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.19	0.019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.19	0.019	ug/l	
53494-70-5	Endrin ketone	ND	0.19	0.019	ug/l	
959-98-8	Endosulfan-I	ND	0.093	0.0093	ug/l	
33213-65-9	Endosulfan-II	ND	0.093	0.0093	ug/l	
76-44-8	Heptachlor	ND	0.093	0.0093	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.093	0.0093	ug/l	
72-43-5	Methoxychlor	ND	0.19	0.019	ug/l	
8001-35-2	Toxaphene	ND	4.7	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		42-127%
2051-24-3	Decachlorobiphenyl	31%		27-127%

(a) Dilution required due to matrix interference.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12103-7	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124057.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		38-127%
2051-24-3	Decachlorobiphenyl	27%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5B
Lab Sample ID: FA12103-7
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4750	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	26.6	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	639	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	24.2	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	109000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	430	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	78.5	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	218	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	13800	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	523	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	18900	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	346	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	10.2	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	60.9	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	28200	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	128000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	763	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	153	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	2920	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B096097.D	1	02/06/14	WV	n/a	n/a	VB3918
Run #2 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.3	25	11	ug/l	J
107-02-8	Acrolein	7.9	20	6.4	ug/l	J
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	4.7	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene [b]	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.9	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	1.8	5.0	1.5	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	4.3	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene [b]	0.36	1.0	0.24	ug/l	J
100-42-5	Styrene	0.61	1.0	0.23	ug/l	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	3.5	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.84	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	0.27	1.0	0.26	ug/l	J
108-88-3	Toluene	9.6	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	6.8	2.0	0.48	ug/l	
95-47-6	o-Xylene	3.6	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	83%	88%	79-125%
2037-26-5	Toluene-D8	103%	100%	85-112%
460-00-4	4-Bromofluorobenzene	108%	97%	83-118%

(a) Confirmation run.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043377.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	73.8	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	1.9	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	4.3	4.7	0.47	ug/l	J
	3&4-Methylphenol	6.7	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	1.0	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	5.6	24	4.7	ug/l	J
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	13.4	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	1.9	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	2.5	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	30.1	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5A
Lab Sample ID: FA12103-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	3.1	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	1.3	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	1.2	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	62.1	4.7	1.5	ug/l	
206-44-0	Fluoranthene	0.66	4.7	0.66	ug/l	J
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.84	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.5	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	3.7	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	0.90	4.7	0.56	ug/l	J
129-00-0	Pyrene	0.82	4.7	0.77	ug/l	J
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		14-67%
4165-62-2	Phenol-d5	17%		10-50%
118-79-6	2,4,6-Tribromophenol	68%		33-118%
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043337.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	9.9	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61578.D	5	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.23	0.023	ug/l	
319-84-6	alpha-BHC	ND	0.23	0.023	ug/l	
319-85-7	beta-BHC	ND	0.23	0.023	ug/l	
319-86-8	delta-BHC	ND	0.23	0.023	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.23	0.023	ug/l	
5103-71-9	alpha-Chlordane	ND	0.23	0.023	ug/l	
5103-74-2	gamma-Chlordane	ND	0.23	0.023	ug/l	
60-57-1	Dieldrin	ND	0.23	0.023	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.23	0.023	ug/l	
33213-65-9	Endosulfan-II	ND	0.23	0.023	ug/l	
76-44-8	Heptachlor	ND	0.23	0.023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.23	0.023	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		42-127%
2051-24-3	Decachlorobiphenyl	31%		27-127%

(a) Dilution required due to matrix interference.

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124058.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.21	0.47	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		38-127%
2051-24-3	Decachlorobiphenyl	26%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5A
Lab Sample ID: FA12103-8
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8080	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	53.6	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.8	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	1010	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	72.6	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	192000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	656	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	125	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	550	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	22600	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	842	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	30500	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	639	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	25.5	5.0	ug/l	10	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	96.8	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	54500	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	233000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	1640	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	258	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	6550	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26788

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP 1
Lab Sample ID: FA12103-10
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17833.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.65	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	1.1	5.0	1.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.52	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033149.D	1	02/10/14	FS	02/05/14	OP50364	SX1563
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	12.7	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	2.4	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	2.3	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	0.98	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	3.4	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 1
Lab Sample ID: FA12103-10
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	12.2	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	14.7	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		14-67%
4165-62-2	Phenol-d5	15%		10-50%
118-79-6	2,4,6-Tribromophenol	78%		33-118%
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	94%		39-121%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043373.D	5	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	2.0	4.7	0.86	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.47	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.47	0.14	ug/l	
1918-00-9	Dicamba	ND	0.47	0.13	ug/l	
88-85-7	Dinoseb	ND	9.4	2.4	ug/l	
75-99-0	Dalapon	ND	12	4.7	ug/l	
120-36-5	Dichloroprop	ND	4.7	0.99	ug/l	
94-82-6	2,4-DB	ND	4.7	1.6	ug/l	
93-65-2	MCPP	ND	470	61	ug/l	
94-74-6	MCPA	ND	470	99	ug/l	
87-86-5	Pentachlorophenol	ND	0.47	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	108%		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61616.D	2	02/07/14	EM	02/04/14	OP50346	GKK2062
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.093	0.0093	ug/l	
319-84-6	alpha-BHC	ND	0.093	0.0093	ug/l	
319-85-7	beta-BHC	ND	0.093	0.0093	ug/l	
319-86-8	delta-BHC	ND	0.093	0.0093	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.093	0.0093	ug/l	
5103-71-9	alpha-Chlordane [b]	0.075	0.093	0.0093	ug/l	J
5103-74-2	gamma-Chlordane	ND	0.093	0.0093	ug/l	
60-57-1	Dieldrin	ND	0.093	0.0093	ug/l	
72-54-8	4,4'-DDD	ND	0.19	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.19	0.019	ug/l	
50-29-3	4,4'-DDT	ND	0.19	0.019	ug/l	
72-20-8	Endrin	ND	0.19	0.019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.19	0.019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.19	0.019	ug/l	
53494-70-5	Endrin ketone	ND	0.19	0.019	ug/l	
959-98-8	Endosulfan-I	ND	0.093	0.0093	ug/l	
33213-65-9	Endosulfan-II	ND	0.093	0.0093	ug/l	
76-44-8	Heptachlor	ND	0.093	0.0093	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.093	0.0093	ug/l	
72-43-5	Methoxychlor	ND	0.19	0.019	ug/l	
8001-35-2	Toxaphene	ND	4.7	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		42-127%
2051-24-3	Decachlorobiphenyl	45%		27-127%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 1		
Lab Sample ID:	FA12103-10	**Date Sampled:**	01/30/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124059.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	1.1	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		38-127%
2051-24-3	Decachlorobiphenyl	52%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 1
Lab Sample ID: FA12103-10
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	21500	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	26.1	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	14.3	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	1000	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	57.3	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	241000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	697	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	143	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	221	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	38500	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	2720	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	23900	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	1250	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	13.6	2.5	ug/l	5	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	73.9	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	19400	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	101000	20000	ug/l	2	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	1020	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	610	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	5840	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26788

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12103-11	**Date Sampled:**	01/30/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17834.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: FA12103-11
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/30/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12103-11	**Date Sampled:**	01/30/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12103 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: i Si Environmental
Address: 214 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	VOCs	SVOCs	Metals	Pesticides	Herbicides	Dioxin / Furans
1	Bld D Rm 1A	01/30/14	0920	BG	ww	10		X	X	X	X	X	
2	Bld D Rm 1B	01/30/14	0945	BG	ww	10		X	X	X	X	X	
3	Bld D Rm 2	01/30/14	1045	BG	ww	10		X	X	X	X	X	
4	Bld D Rm 5D	01/30/14	1200	BG	ww	10		X	X	X	X	X	
5	Bld D Rm 5C	01/30/14	1400	BG	ww	10		X	X	X	X	X	
6	Bld D Rms 1A + 1B	01/30/14	1420	BG	ww	2		X					X
7	Bld D Rm 5B	01/30/14	1430	BG	ww	10		X	X	X	X	X	
8	Bld D Rm 5A	01/30/14	1520	BG	ww	10		X	X	X	X	X	
9	Bld D Rms 5A - 5D	01/30/14	1545	BG	ww	2		X					X
10	Dup 1	01/30/14		BG	ww	10		X	X	X	X	X	
11	Trip Blank	01/30/14				3		X					

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [X] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	Brady Gerber / i Si	01/30/14 1740	2 FX	3 FX	1r31-14	4 J. Conner (ASE) 10:45
5	Relinquished by:	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 10 Cooler Temperature (s) Celsius: 26 2.8 3.0 2.4 3.0 2.8 3.0 2.6 2.6 2.8

4.1 4

FA12103: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 12 103 CLIENT: ISI ENV PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 1-31-14 10:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 10

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 2630

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.0 3.2 3.4 2.8 3.4 3.2 3.4 3.0 3.0 3.2
- [ ] CORRECTED TEMPS: 2.6 2.8 3.0 2.4 3.0 2.8 3.0 2.6 2.6 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 1-31-14 REVIEWER SIGNATURE/DATE: 01/31/14

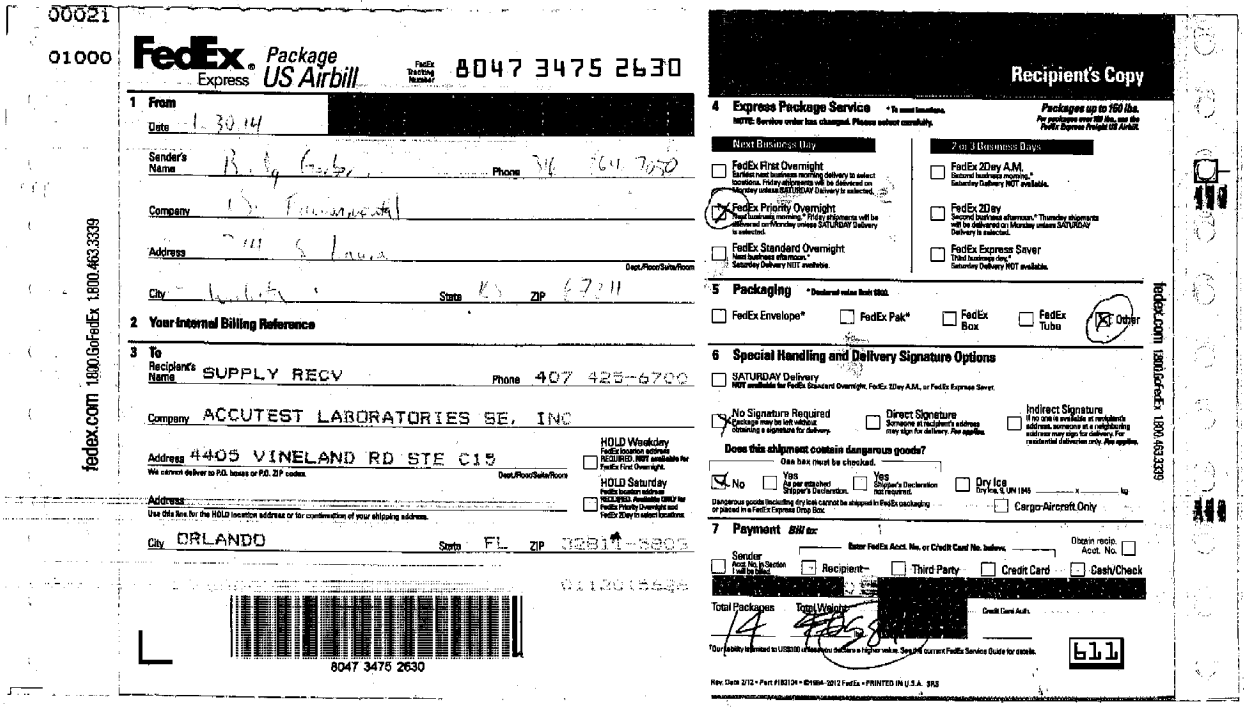
NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12103: Chain of Custody

Page 2 of 3



00021

01000

FedEx Express Package US Airbill

FedEx Tracking Number 8047 3475 2630

1 From

Date 1-30-14 [redacted]

Sender's Name [illegible] Phone 316 [illegible]

Company [illegible]

Address [illegible] Dept./Floor/Suite/Room

City [illegible] State KS ZIP 67211

2 Your Internal Billing Reference

3 To

Recipient's Name SUPPLY RECV Phone 407 425-6700

Company ACCUTEST LABORATORIES SE, INC

Address 4405 VINELAND RD STE C15 Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for confirmation of your shipping address.

City ORLANDO State FL ZIP 32811-5809

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8047 3475 2630

fedex.com 1.800.GoFedEx 1.800.463.3339

Recipient's Copy

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. [ ]

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted]

Total Packages 14 Total Weight [illegible] lbs. Credit Card Auth.

*Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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FA12103: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-MB	I17819.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-MB	I17819.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-MB	I17819.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-MB	B096094.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-MB	B096094.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-MB	B096094.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	110%	83-118%

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-BS	I17818.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	116	93	50-147
107-02-8	Acrolein	125	127	102	31-154
107-13-1	Acrylonitrile	125	98.8	79	58-126
71-43-2	Benzene	25	23.6	94	81-122
108-86-1	Bromobenzene	25	23.4	94	80-121
74-97-5	Bromochloromethane	25	23.7	95	76-123
75-27-4	Bromodichloromethane	25	22.8	91	79-123
75-25-2	Bromoform	25	21.8	87	66-123
104-51-8	n-Butylbenzene	25	23.7	95	79-126
135-98-8	sec-Butylbenzene	25	27.2	109	83-133
98-06-6	tert-Butylbenzene	25	25.0	100	80-133
108-90-7	Chlorobenzene	25	25.5	102	82-124
75-00-3	Chloroethane	25	29.6	118	62-144
67-66-3	Chloroform	25	22.4	90	80-124
95-49-8	o-Chlorotoluene	25	24.6	98	81-127
106-43-4	p-Chlorotoluene	25	26.2	105	83-130
110-75-8	2-Chloroethyl vinyl ether	125	87.1	70	56-122
75-15-0	Carbon disulfide	25	21.7	87	66-148
56-23-5	Carbon tetrachloride	25	23.1	92	76-136
75-34-3	1,1-Dichloroethane	25	21.6	86	81-122
75-35-4	1,1-Dichloroethylene	25	26.3	105	78-137
563-58-6	1,1-Dichloropropene	25	24.7	99	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	20.8	83	64-123
106-93-4	1,2-Dibromoethane	25	23.8	95	75-120
107-06-2	1,2-Dichloroethane	25	19.7	79	75-125
78-87-5	1,2-Dichloropropane	25	22.1	88	76-124
142-28-9	1,3-Dichloropropane	25	22.3	89	80-118
594-20-7	2,2-Dichloropropane	25	22.9	92	74-139
124-48-1	Dibromochloromethane	25	24.0	96	78-122
75-71-8	Dichlorodifluoromethane	25	22.8	91	42-167
156-59-2	cis-1,2-Dichloroethylene	25	23.3	93	78-120
10061-01-5	cis-1,3-Dichloropropene	25	22.1	88	75-118
541-73-1	m-Dichlorobenzene	25	26.5	106	84-125
95-50-1	o-Dichlorobenzene	25	25.8	103	82-124
106-46-7	p-Dichlorobenzene	25	23.8	95	78-120
156-60-5	trans-1,2-Dichloroethylene	25	21.2	85	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-BS	I17818.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	23.3	93	80-120
100-41-4	Ethylbenzene	25	22.9	92	81-121
591-78-6	2-Hexanone	125	91.7	73	61-129
87-68-3	Hexachlorobutadiene	25	23.8	95	75-142
98-82-8	Isopropylbenzene	25	26.2	105	83-132
99-87-6	p-Isopropyltoluene	25	26.2	105	79-130
108-10-1	4-Methyl-2-pentanone	125	92.1	74	66-122
74-83-9	Methyl bromide	25	34.8	139	59-143
74-87-3	Methyl chloride	25	22.2	89	50-159
74-95-3	Methylene bromide	25	22.8	91	78-119
75-09-2	Methylene chloride	25	19.9	80	69-135
78-93-3	Methyl ethyl ketone	125	90.4	72	56-143
1634-04-4	Methyl Tert Butyl Ether	25	20.4	82	72-117
91-20-3	Naphthalene	25	23.4	94	63-132
103-65-1	n-Propylbenzene	25	26.3	105	82-133
100-42-5	Styrene	25	23.1	92	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.5	98	77-122
71-55-6	1,1,1-Trichloroethane	25	22.5	90	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.4	94	72-120
79-00-5	1,1,2-Trichloroethane	25	23.0	92	76-119
87-61-6	1,2,3-Trichlorobenzene	25	23.6	94	68-131
96-18-4	1,2,3-Trichloropropane	25	22.9	92	77-120
120-82-1	1,2,4-Trichlorobenzene	25	23.5	94	73-129
95-63-6	1,2,4-Trimethylbenzene	25	23.3	93	79-120
108-67-8	1,3,5-Trimethylbenzene	25	22.8	91	79-120
127-18-4	Tetrachloroethylene	25	20.8	83	76-135
108-88-3	Toluene	25	23.7	95	80-120
79-01-6	Trichloroethylene	25	24.0	96	81-126
75-69-4	Trichlorofluoromethane	25	26.4	106	71-156
75-01-4	Vinyl chloride	25	27.1	108	69-159
108-05-4	Vinyl Acetate	125	94.4	76	43-154
	m,p-Xylene	50	47.5	95	79-126
95-47-6	o-Xylene	25	24.9	100	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-BS	I17818.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	88%	79-125%
2037-26-5	Toluene-D8	93%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-BS	B096093.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	158	126	50-147
107-02-8	Acrolein	125	137	110	31-154
107-13-1	Acrylonitrile	125	106	85	58-126
71-43-2	Benzene	25	29.1	116	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.6	102	76-123
75-27-4	Bromodichloromethane	25	27.9	112	79-123
75-25-2	Bromoform	25	20.8	83	66-123
104-51-8	n-Butylbenzene	25	29.3	117	79-126
135-98-8	sec-Butylbenzene	25	33.5	134*	83-133
98-06-6	tert-Butylbenzene	25	32.2	129	80-133
108-90-7	Chlorobenzene	25	28.6	114	82-124
75-00-3	Chloroethane	25	31.5	126	62-144
67-66-3	Chloroform	25	27.8	111	80-124
95-49-8	o-Chlorotoluene	25	31.8	127	81-127
106-43-4	p-Chlorotoluene	25	32.4	130	83-130
110-75-8	2-Chloroethyl vinyl ether	125	128	102	56-122
75-15-0	Carbon disulfide	25	29.4	118	66-148
56-23-5	Carbon tetrachloride	25	29.2	117	76-136
75-34-3	1,1-Dichloroethane	25	29.6	118	81-122
75-35-4	1,1-Dichloroethylene	25	32.2	129	78-137
563-58-6	1,1-Dichloropropene	25	32.6	130	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	20.3	81	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
107-06-2	1,2-Dichloroethane	25	27.1	108	75-125
78-87-5	1,2-Dichloropropane	25	27.3	109	76-124
142-28-9	1,3-Dichloropropane	25	27.6	110	80-118
594-20-7	2,2-Dichloropropane	25	30.2	121	74-139
124-48-1	Dibromochloromethane	25	25.9	104	78-122
75-71-8	Dichlorodifluoromethane	25	49.9	200*	42-167
156-59-2	cis-1,2-Dichloroethylene	25	27.6	110	78-120
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	75-118
541-73-1	m-Dichlorobenzene	25	30.0	120	84-125
95-50-1	o-Dichlorobenzene	25	28.1	112	82-124
106-46-7	p-Dichlorobenzene	25	27.3	109	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.9	120	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-BS	B096093.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.8	111	80-120
100-41-4	Ethylbenzene	25	28.7	115	81-121
591-78-6	2-Hexanone	125	142	114	61-129
87-68-3	Hexachlorobutadiene	25	27.2	109	75-142
98-82-8	Isopropylbenzene	25	32.7	131	83-132
99-87-6	p-Isopropyltoluene	25	31.0	124	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	35.7	143	59-143
74-87-3	Methyl chloride	25	35.0	140	50-159
74-95-3	Methylene bromide	25	26.3	105	78-119
75-09-2	Methylene chloride	25	28.1	112	69-135
78-93-3	Methyl ethyl ketone	125	114	91	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.2	101	72-117
91-20-3	Naphthalene	25	19.3	77	63-132
103-65-1	n-Propylbenzene	25	33.9	136*	82-133
100-42-5	Styrene	25	26.5	106	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.5	110	77-122
71-55-6	1,1,1-Trichloroethane	25	29.1	116	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	26.6	106	72-120
79-00-5	1,1,2-Trichloroethane	25	26.3	105	76-119
87-61-6	1,2,3-Trichlorobenzene	25	21.8	87	68-131
96-18-4	1,2,3-Trichloropropane	25	26.1	104	77-120
120-82-1	1,2,4-Trichlorobenzene	25	22.6	90	73-129
95-63-6	1,2,4-Trimethylbenzene	25	28.7	115	79-120
108-67-8	1,3,5-Trimethylbenzene	25	28.9	116	79-120
127-18-4	Tetrachloroethylene	25	28.5	114	76-135
108-88-3	Toluene	25	28.5	114	80-120
79-01-6	Trichloroethylene	25	28.5	114	81-126
75-69-4	Trichlorofluoromethane	25	32.1	128	71-156
75-01-4	Vinyl chloride	25	32.5	130	69-159
108-05-4	Vinyl Acetate	125	115	92	43-154
	m,p-Xylene	50	57.6	115	79-126
95-47-6	o-Xylene	25	29.9	120	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-BS	B096093.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12103-8MS	I17839.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8MSD	I17840.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Compound	FA12103-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		25000	12500	50	13300	53	6	50-147/21
107-02-8	Acrolein	ND		25000	25400	102	25400	102	0	31-154/29
107-13-1	Acrylonitrile	ND		25000	18300	73	19200	77	5	58-126/16
71-43-2	Benzene	ND		5000	4950	99	4740	95	4	81-122/14
108-86-1	Bromobenzene	ND		5000	4750	95	4650	93	2	80-121/14
74-97-5	Bromochloromethane	ND		5000	4790	96	4820	96	1	76-123/14
75-27-4	Bromodichloromethane	ND		5000	4670	93	4550	91	3	79-123/19
75-25-2	Bromoform	ND		5000	4130	83	4430	89	7	66-123/21
104-51-8	n-Butylbenzene	ND		5000	4670	93	4410	88	6	79-126/16
135-98-8	sec-Butylbenzene	ND		5000	5540	111	5240	105	6	83-133/16
98-06-6	tert-Butylbenzene	ND		5000	5040	101	4750	95	6	80-133/16
108-90-7	Chlorobenzene	ND		5000	5360	107	5150	103	4	82-124/14
75-00-3	Chloroethane	ND		5000	5440	109	5110	102	6	62-144/20
67-66-3	Chloroform	ND		5000	4710	94	4560	91	3	80-124/15
95-49-8	o-Chlorotoluene	ND		5000	4950	99	4760	95	4	81-127/15
106-43-4	p-Chlorotoluene	ND		5000	5300	106	5080	102	4	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		25000	11200	45*	11200	45*	0	56-122/23
75-15-0	Carbon disulfide	ND		5000	4190	84	3940	79	6	66-148/23
56-23-5	Carbon tetrachloride	ND		5000	4640	93	4460	89	4	76-136/23
75-34-3	1,1-Dichloroethane	ND		5000	4470	89	4320	86	3	81-122/15
75-35-4	1,1-Dichloroethylene	ND		5000	5150	103	5000	100	3	78-137/18
563-58-6	1,1-Dichloropropene	ND		5000	5010	100	4840	97	3	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		5000	4080	82	4130	83	1	64-123/18
106-93-4	1,2-Dibromoethane	ND		5000	4740	95	4780	96	1	75-120/13
107-06-2	1,2-Dichloroethane	ND		5000	4000	80	3980	80	1	75-125/14
78-87-5	1,2-Dichloropropane	ND		5000	4560	91	4420	88	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		5000	4520	90	4550	91	1	80-118/13
594-20-7	2,2-Dichloropropane	ND		5000	3700	74	3530	71*	5	74-139/17
124-48-1	Dibromochloromethane	ND		5000	4710	94	4860	97	3	78-122/19
75-71-8	Dichlorodifluoromethane	ND		5000	4070	81	3910	78	4	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		5000	4860	97	4860	97	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		5000	4290	86	4240	85	1	75-118/23
541-73-1	m-Dichlorobenzene	ND		5000	5440	109	5240	105	4	84-125/14
95-50-1	o-Dichlorobenzene	ND		5000	5330	107	5140	103	4	82-124/14
106-46-7	p-Dichlorobenzene	ND		5000	4850	97	4740	95	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		5000	4350	87	4150	83	5	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12103-8MS	I17839.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8MSD	I17840.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Compound	FA12103-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		5000	4500	90	4440	89	1	80-120/22
100-41-4	Ethylbenzene	ND		5000	4750	95	4550	91	4	81-121/14
591-78-6	2-Hexanone	ND		25000	14800	59*	15700	63	6	61-129/18
87-68-3	Hexachlorobutadiene	ND		5000	4290	86	4380	88	2	75-142/19
98-82-8	Isopropylbenzene	ND		5000	5460	109	5220	104	4	83-132/15
99-87-6	p-Isopropyltoluene	ND		5000	5320	106	5060	101	5	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		25000	17400	70	18200	73	4	66-122/16
74-83-9	Methyl bromide	ND		5000	6230	125	5940	119	5	59-143/19
74-87-3	Methyl chloride	ND		5000	4150	83	3910	78	6	50-159/19
74-95-3	Methylene bromide	ND		5000	4660	93	4650	93	0	78-119/14
75-09-2	Methylene chloride	ND		5000	4160	83	4090	82	2	69-135/16
78-93-3	Methyl ethyl ketone	ND		25000	13900	56	14700	59	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		5000	4050	81	4090	82	1	72-117/14
91-20-3	Naphthalene	ND		5000	4600	92	4770	95	4	63-132/25
103-65-1	n-Propylbenzene	ND		5000	5310	106	5050	101	5	82-133/15
100-42-5	Styrene	ND		5000	4820	96	4770	95	1	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		5000	5060	101	5020	100	1	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		5000	4680	94	4460	89	5	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		5000	4860	97	4820	96	1	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		5000	4760	95	4750	95	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		5000	4640	93	4680	94	1	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		5000	4530	91	4700	94	4	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		5000	4490	90	4460	89	1	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		5000	4770	95	4540	91	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		5000	4680	94	4440	89	5	79-120/19
127-18-4	Tetrachloroethylene	ND		5000	4040	81	4000	80	1	76-135/16
108-88-3	Toluene	ND		5000	4880	98	4720	94	3	80-120/14
79-01-6	Trichloroethylene	ND		5000	4990	100	4810	96	4	81-126/15
75-69-4	Trichlorofluoromethane	ND		5000	4630	93	4470	89	4	71-156/21
75-01-4	Vinyl chloride	ND		5000	4620	92	4420	88	4	69-159/18
108-05-4	Vinyl Acetate	ND		25000	17200	69	17200	69	0	43-154/14
	m,p-Xylene	ND		10000	9830	98	9470	95	4	79-126/15
95-47-6	o-Xylene	ND		5000	5160	103	5000	100	3	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12103-8MS	I17839.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8MSD	I17840.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-10, FA12103-11

CAS No.	Surrogate Recoveries	MS	MSD	FA12103-8	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	86%	86%	88%	79-125%
2037-26-5	Toluene-D8	93%	92%	100%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	97%	83-118%

(a) Confirmation run.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12073-9MS	B096105.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9MSD	B096106.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9 [a]	B096104.D	5	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Compound	FA12073-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	130 U		625	425	68	408	65	4	50-147/21
107-02-8	Acrolein	100 U		625	637	102	698	112	9	31-154/29
107-13-1	Acrylonitrile	50 U		625	554	89	535	86	3	58-126/16
71-43-2	Benzene	5.0 U		125	145	116	142	114	2	81-122/14
108-86-1	Bromobenzene	5.0 U		125	137	110	129	103	6	80-121/14
74-97-5	Bromochloromethane	5.0 U		125	131	105	130	104	1	76-123/14
75-27-4	Bromodichloromethane	5.0 U		125	136	109	134	107	1	79-123/19
75-25-2	Bromoform	5.0 U		125	105	84	102	82	3	66-123/21
104-51-8	n-Butylbenzene	5.0 U		125	144	115	139	111	4	79-126/16
135-98-8	sec-Butylbenzene	5.0 U		125	158	126	153	122	3	83-133/16
98-06-6	tert-Butylbenzene	5.0 U		125	155	124	150	120	3	80-133/16
108-90-7	Chlorobenzene	5.0 U		125	142	114	143	114	1	82-124/14
75-00-3	Chloroethane	10 U		125	139	111	138	110	1	62-144/20
67-66-3	Chloroform	5.0 U		125	142	114	135	108	5	80-124/15
95-49-8	o-Chlorotoluene	5.0 U		125	156	125	150	120	4	81-127/15
106-43-4	p-Chlorotoluene	5.0 U		125	161	129	155	124	4	83-130/15
110-75-8	2-Chloroethyl vinyl ether	25 U		625	43.8	7*	14.7	2*	99*	56-122/23
75-15-0	Carbon disulfide	10 U		125	149	119	140	112	6	66-148/23
56-23-5	Carbon tetrachloride	5.0 U		125	140	112	141	113	1	76-136/23
75-34-3	1,1-Dichloroethane	5.0 U		125	148	118	142	114	4	81-122/15
75-35-4	1,1-Dichloroethylene	5.0 U		125	161	129	155	124	4	78-137/18
563-58-6	1,1-Dichloropropene	5.0 U		125	157	126	154	123	2	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	10 U		125	111	89	95.8	77	15	64-123/18
106-93-4	1,2-Dibromoethane	5.0 U		125	129	103	128	102	1	75-120/13
107-06-2	1,2-Dichloroethane	5.0 U		125	135	108	134	107	1	75-125/14
78-87-5	1,2-Dichloropropane	5.0 U		125	140	112	137	110	2	76-124/14
142-28-9	1,3-Dichloropropane	5.0 U		125	141	113	137	110	3	80-118/13
594-20-7	2,2-Dichloropropane	5.0 U		125	145	116	137	110	6	74-139/17
124-48-1	Dibromochloromethane	5.0 U		125	128	102	125	100	2	78-122/19
75-71-8	Dichlorodifluoromethane	10 U		125	230	184*	221	177*	4	42-167/19
156-59-2	cis-1,2-Dichloroethylene	189		125	331	114	320	105	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	5.0 U		125	131	105	130	104	1	75-118/23
541-73-1	m-Dichlorobenzene	5.0 U		125	148	118	139	111	6	84-125/14
95-50-1	o-Dichlorobenzene	5.0 U		125	141	113	135	108	4	82-124/14
106-46-7	p-Dichlorobenzene	5.0 U		125	137	110	130	104	5	78-120/15
156-60-5	trans-1,2-Dichloroethylene	4.2	I	125	150	117	149	116	1	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12073-9MS	B096105.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9MSD	B096106.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9 [a]	B096104.D	5	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Compound	FA12073-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	5.0	U	125	136	109	133	106	2	80-120/22
100-41-4	Ethylbenzene	5.0	U	125	144	115	139	111	4	81-121/14
591-78-6	2-Hexanone	50	U	625	574	92	548	88	5	61-129/18
87-68-3	Hexachlorobutadiene	10	U	125	116	93	112	90	4	75-142/19
98-82-8	Isopropylbenzene	5.0	U	125	159	127	152	122	5	83-132/15
99-87-6	p-Isopropyltoluene	5.0	U	125	152	122	144	115	5	79-130/16
108-10-1	4-Methyl-2-pentanone	25	U	625	665	106	647	104	3	66-122/16
74-83-9	Methyl bromide	10	U	125	159	127	158	126	1	59-143/19
74-87-3	Methyl chloride	10	U	125	177	142	167	134	6	50-159/19
74-95-3	Methylene bromide	10	U	125	135	108	131	105	3	78-119/14
75-09-2	Methylene chloride	25	U	125	143	114	138	110	4	69-135/16
78-93-3	Methyl ethyl ketone	25	U	625	546	87	515	82	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	5.0	U	125	129	103	124	99	4	72-117/14
91-20-3	Naphthalene	25	U	125	95.6	76	92.2	74	4	63-132/25
103-65-1	n-Propylbenzene	5.0	U	125	168	134*	159	127	6	82-133/15
100-42-5	Styrene	5.0	U	125	134	107	128	102	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	125	136	109	132	106	3	77-122/19
71-55-6	1,1,1-Trichloroethane	5.0	U	125	141	113	137	110	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	125	140	112	135	108	4	72-120/14
79-00-5	1,1,2-Trichloroethane	5.0	U	125	137	110	129	103	6	76-119/14
87-61-6	1,2,3-Trichlorobenzene	5.0	U	125	103	82	102	82	1	68-131/25
96-18-4	1,2,3-Trichloropropane	10	U	125	136	109	130	104	5	77-120/16
120-82-1	1,2,4-Trichlorobenzene	5.0	U	125	108	86	105	84	3	73-129/20
95-63-6	1,2,4-Trimethylbenzene	10	U	125	140	112	137	110	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	10	U	125	140	112	136	109	3	79-120/19
127-18-4	Tetrachloroethylene	5.0	U	125	135	108	130	104	4	76-135/16
108-88-3	Toluene	5.0	U	125	138	110	140	112	1	80-120/14
79-01-6	Trichloroethylene	68.3		125	205	109	204	109	0	81-126/15
75-69-4	Trichlorofluoromethane	10	U	125	150	120	143	114	5	71-156/21
75-01-4	Vinyl chloride	18.0		125	172	123	167	119	3	69-159/18
108-05-4	Vinyl Acetate	50	U	625	595	95	567	91	5	43-154/14
	m,p-Xylene	10	U	250	302	121	282	113	7	79-126/15
95-47-6	o-Xylene	5.0	U	125	153	122	145	116	5	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12073-9MS	B096105.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9MSD	B096106.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9 [a]	B096104.D	5	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12103-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12073-9	Limits
1868-53-7	Dibromofluoromethane	102%	100%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	98%	79-125%
2037-26-5	Toluene-D8	103%	103%	106%	85-112%
460-00-4	4-Bromofluorobenzene	108%	105%	113%	83-118%

(a) No sample available for reanalysis.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	33-118%
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	106%	39-121%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	T011494.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	T011494.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	T011494.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	45%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	96%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	96%	39-121%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	X033148.D	1	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	X033148.D	1	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	X033148.D	1	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-67%
4165-62-2	Phenol-d5	19%	10-50%
118-79-6	2,4,6-Tribromophenol	82%	33-118%
4165-60-0	Nitrobenzene-d5	81%	42-108%
321-60-8	2-Fluorobiphenyl	75%	40-106%
1718-51-0	Terphenyl-d14	110%	39-121%

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	16.0	16	10-69
95-57-8	2-Chlorophenol	50	34.7	69	52-98
59-50-7	4-Chloro-3-methyl phenol	50	33.7	67	54-103
120-83-2	2,4-Dichlorophenol	50	32.7	65	53-103
105-67-9	2,4-Dimethylphenol	50	33.1	66	43-90
51-28-5	2,4-Dinitrophenol	100	71.7	72	44-112
534-52-1	4,6-Dinitro-o-cresol	100	78.7	79	66-121
95-48-7	2-Methylphenol	50	30.9	62	43-90
	3&4-Methylphenol	100	54.9	55	36-88
88-75-5	2-Nitrophenol	50	33.5	67	53-102
100-02-7	4-Nitrophenol	100	26.9	27	18-62
87-86-5	Pentachlorophenol	100	69.6	70	61-115
108-95-2	Phenol	50	13.5	27	19-56
95-95-4	2,4,5-Trichlorophenol	50	38.2	76	62-109
88-06-2	2,4,6-Trichlorophenol	50	37.9	76	59-107
83-32-9	Acenaphthene	50	42.5	85	61-107
208-96-8	Acenaphthylene	50	41.6	83	60-104
62-53-3	Aniline	50	32.4	65	47-100
120-12-7	Anthracene	50	40.9	82	65-108
92-87-5	Benzidine	50	36.8	74	25-99
56-55-3	Benzo(a)anthracene	50	40.8	82	66-111
50-32-8	Benzo(a)pyrene	50	39.3	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.0	82	65-114
191-24-2	Benzo(g,h,i)perylene	50	39.0	78	66-116
207-08-9	Benzo(k)fluoranthene	50	41.1	82	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.9	70	65-109
85-68-7	Butyl benzyl phthalate	50	38.4	77	65-112
100-51-6	Benzyl Alcohol	50	32.2	64	46-94
91-58-7	2-Chloronaphthalene	50	37.3	75	57-103
106-47-8	4-Chloroaniline	50	34.4	69	49-105
86-74-8	Carbazole	50	40.2	80	59-113
218-01-9	Chrysene	50	43.0	86	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.3	71	51-102
111-44-4	bis(2-Chloroethyl)ether	50	36.7	73	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	40.1	80	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.7	75	62-105

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
122-66-7	1,2-Diphenylhydrazine	50	50.1	100	61-110
541-73-1	1,3-Dichlorobenzene	50	31.4	63	45-95
106-46-7	1,4-Dichlorobenzene	50	33.0	66	45-98
121-14-2	2,4-Dinitrotoluene	50	40.1	80	61-110
606-20-2	2,6-Dinitrotoluene	50	39.8	80	63-108
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	46-117
53-70-3	Dibenzo(a,h)anthracene	50	38.8	78	66-119
132-64-9	Dibenzofuran	50	39.6	79	61-106
84-74-2	Di-n-butyl phthalate	50	36.8	74	65-107
117-84-0	Di-n-octyl phthalate	50	36.1	72	62-118
84-66-2	Diethyl phthalate	50	38.7	77	64-108
131-11-3	Dimethyl phthalate	50	36.0	72	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.1	76	61-117
206-44-0	Fluoranthene	50	40.7	81	63-106
86-73-7	Fluorene	50	41.3	83	62-108
118-74-1	Hexachlorobenzene	50	42.2	84	63-108
87-68-3	Hexachlorobutadiene	50	29.5	59	42-102
77-47-4	Hexachlorocyclopentadiene	50	23.9	48	39-102
67-72-1	Hexachloroethane	50	31.5	63	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	34.3	69	64-119
78-59-1	Isophorone	50	34.9	70	43-87
90-12-0	1-Methylnaphthalene	50	37.4	75	53-102
91-57-6	2-Methylnaphthalene	50	32.9	66	51-102
88-74-4	2-Nitroaniline	50	45.9	92	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.9	84	55-120
91-20-3	Naphthalene	50	34.2	68	47-100
98-95-3	Nitrobenzene	50	33.6	67	50-104
62-75-9	N-Nitrosodimethylamine	50	19.1	38	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	43.4	87	52-104
86-30-6	N-Nitrosodiphenylamine	50	46.0	92	64-108
85-01-8	Phenanthrene	50	42.0	84	66-110
129-00-0	Pyrene	50	43.5	87	64-113
110-86-1	Pyridine	50	19.6	39	23-74
120-82-1	1,2,4-Trichlorobenzene	50	29.9	60	45-97

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	97%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-BS	T011493.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	2.2	2*	10-69
95-57-8	2-Chlorophenol	50	33.7	67	52-98
59-50-7	4-Chloro-3-methyl phenol	50	42.6	85	54-103
120-83-2	2,4-Dichlorophenol	50	39.3	79	53-103
105-67-9	2,4-Dimethylphenol	50	37.3	75	43-90
51-28-5	2,4-Dinitrophenol	100	75.9	76	44-112
534-52-1	4,6-Dinitro-o-cresol	100	75.4	75	66-121
95-48-7	2-Methylphenol	50	32.7	65	43-90
	3&4-Methylphenol	100	62.6	63	36-88
88-75-5	2-Nitrophenol	50	39.2	78	53-102
100-02-7	4-Nitrophenol	100	37.6	38	18-62
87-86-5	Pentachlorophenol	100	81.0	81	61-115
108-95-2	Phenol	50	17.6	35	19-56
95-95-4	2,4,5-Trichlorophenol	50	37.8	76	62-109
88-06-2	2,4,6-Trichlorophenol	50	35.8	72	59-107
83-32-9	Acenaphthene	50	40.3	81	61-107
208-96-8	Acenaphthylene	50	40.4	81	60-104
62-53-3	Aniline	50	37.1	74	47-100
120-12-7	Anthracene	50	41.2	82	65-108
92-87-5	Benzidine	50	41.9	84	25-99
56-55-3	Benzo(a)anthracene	50	40.5	81	66-111
50-32-8	Benzo(a)pyrene	50	40.0	80	62-107
205-99-2	Benzo(b)fluoranthene	50	41.9	84	65-114
191-24-2	Benzo(g,h,i)perylene	50	38.9	78	66-116
207-08-9	Benzo(k)fluoranthene	50	40.2	80	65-114
101-55-3	4-Bromophenyl phenyl ether	50	30.1	60* [a]	65-109
85-68-7	Butyl benzyl phthalate	50	38.3	77	65-112
100-51-6	Benzyl Alcohol	50	33.3	67	46-94
91-58-7	2-Chloronaphthalene	50	37.3	75	57-103
106-47-8	4-Chloroaniline	50	41.7	83	49-105
86-74-8	Carbazole	50	44.4	89	59-113
218-01-9	Chrysene	50	42.6	85	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	40.3	81	51-102
111-44-4	bis(2-Chloroethyl)ether	50	35.0	70	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	39.7	79	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	38.7	77	62-105

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-BS	T011493.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	29.8	60	48-97
122-66-7	1,2-Diphenylhydrazine	50	36.2	72	61-110
541-73-1	1,3-Dichlorobenzene	50	28.9	58	45-95
106-46-7	1,4-Dichlorobenzene	50	30.9	62	45-98
121-14-2	2,4-Dinitrotoluene	50	45.4	91	61-110
606-20-2	2,6-Dinitrotoluene	50	42.8	86	63-108
91-94-1	3,3'-Dichlorobenzidine	50	41.4	83	46-117
53-70-3	Dibenzo(a,h)anthracene	50	40.8	82	66-119
132-64-9	Dibenzofuran	50	40.2	80	61-106
84-74-2	Di-n-butyl phthalate	50	40.6	81	65-107
117-84-0	Di-n-octyl phthalate	50	36.3	73	62-118
84-66-2	Diethyl phthalate	50	42.7	85	64-108
131-11-3	Dimethyl phthalate	50	40.1	80	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	37.3	75	61-117
206-44-0	Fluoranthene	50	45.8	92	63-106
86-73-7	Fluorene	50	43.6	87	62-108
118-74-1	Hexachlorobenzene	50	37.6	75	63-108
87-68-3	Hexachlorobutadiene	50	35.4	71	42-102
77-47-4	Hexachlorocyclopentadiene	50	27.3	55	39-102
67-72-1	Hexachloroethane	50	30.5	61	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	38.5	77	64-119
78-59-1	Isophorone	50	39.7	79	43-87
90-12-0	1-Methylnaphthalene	50	38.4	77	53-102
91-57-6	2-Methylnaphthalene	50	39.6	79	51-102
88-74-4	2-Nitroaniline	50	45.6	91	54-128
99-09-2	3-Nitroaniline	50	46.2	92	56-106
100-01-6	4-Nitroaniline	50	53.5	107	55-120
91-20-3	Naphthalene	50	39.0	78	47-100
98-95-3	Nitrobenzene	50	39.4	79	50-104
62-75-9	N-Nitrosodimethylamine	50	27.6	55	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	37.0	74	52-104
86-30-6	N-Nitrosodiphenylamine	50	37.2	74	64-108
85-01-8	Phenanthrene	50	41.7	83	66-110
129-00-0	Pyrene	50	38.3	77	64-113
110-86-1	Pyridine	50	23.5	47	23-74
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68	45-97

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-BS	T011493.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	32%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	85%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	86%	39-121%

(a) Sporadic marginal failure.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	200 [a]		189	466	141*	471	144*	1	10-69/39
95-57-8	2-Chlorophenol	0.74	J	94.3	57.1	61	69.3	73	19	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	70.6	75	74.9	79	6	54-103/23
120-83-2	2,4-Dichlorophenol	ND		94.3	59.9	63	69.9	74	15	53-103/26
105-67-9	2,4-Dimethylphenol	2.5	J	94.3	53.6	54	63.3	64	17	43-90/27
51-28-5	2,4-Dinitrophenol	ND		189	142	75	161	85	13	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		189	118	63*	150	80	24*	66-121/23
95-48-7	2-Methylphenol	4.2	J	94.3	61.4	60	70.0	69	13	43-90/28
	3&4-Methylphenol	9.0		189	124	61	139	69	11	36-88/28
88-75-5	2-Nitrophenol	0.86	J	94.3	59.5	63	72.9	77	20	53-102/29
100-02-7	4-Nitrophenol	ND		189	78.7	42	104	55	28	18-62/33
87-86-5	Pentachlorophenol	ND		189	144	76	158	84	9	61-115/26
108-95-2	Phenol	96.2 [a]		94.3	197	107*	207	117*	5	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		94.3	67.9	72	74.6	79	9	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		94.3	68.2	72	73.5	78	7	59-107/23
83-32-9	Acenaphthene	ND		94.3	73.1	77	78.9	84	8	61-107/22
208-96-8	Acenaphthylene	0.72	J	94.3	71.9	76	78.8	84	9	60-104/22
62-53-3	Aniline	ND		94.3	ND	0*	7.3	8*	200*	47-100/30
120-12-7	Anthracene	ND		94.3	66.1	70	71.1	75	7	65-108/20
92-87-5	Benzidine	ND		94.3	ND	0*	ND	0*	nc	25-99/31
56-55-3	Benzo(a)anthracene	ND		94.3	72.6	77	76.5	81	5	66-111/22
50-32-8	Benzo(a)pyrene	ND		94.3	64.7	69	70.1	74	8	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		94.3	78.2	83	80.8	86	3	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		94.3	75.5	80	78.0	83	3	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		94.3	79.4	84	83.9	89	6	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	57.0	60*	66.8	71	16	65-109/23
85-68-7	Butyl benzyl phthalate	19.9		94.3	94.6	85	93.8	84	1	65-112/24
100-51-6	Benzyl Alcohol	8.3		94.3	72.2	68	79.9	76	10	46-94/27
91-58-7	2-Chloronaphthalene	ND		94.3	63.8	68	70.1	74	9	57-103/23
106-47-8	4-Chloroaniline	ND		94.3	3.5	4*	2.8	3*	22	49-105/27
86-74-8	Carbazole	ND		94.3	70.9	75	74.2	79	5	59-113/21
218-01-9	Chrysene	ND		94.3	75.9	80	79.2	84	4	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	61.9	66	74.6	79	19	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	62.6	66	67.5	72	8	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	66.5	70	77.1	82	15	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	66.9	71	71.8	76	7	62-105/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		94.3	55.0	58	63.0	67	14	48-97/24
122-66-7	1,2-Diphenylhydrazine	1.3	J	94.3	77.5	82	88.7	94	13	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		94.3	54.3	58	62.9	67	15	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		94.3	56.9	60	65.8	70	15	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		94.3	68.6	73	75.0	80	9	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		94.3	70.9	75	74.7	79	5	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	ND	0*	ND	0*	nc	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	75.7	80	77.8	82	3	66-119/24
132-64-9	Dibenzofuran	ND		94.3	71.2	75	76.5	81	7	61-106/21
84-74-2	Di-n-butyl phthalate	19.8		94.3	80.8	64*	85.5	69	6	65-107/21
117-84-0	Di-n-octyl phthalate	ND		94.3	75.1	80	78.9	84	5	62-118/24
84-66-2	Diethyl phthalate	ND		94.3	70.2	74	73.8	78	5	64-108/21
131-11-3	Dimethyl phthalate	1.7	J	94.3	65.6	70	68.9	73	5	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	4.7		94.3	71.6	68	74.6	71	4	61-117/23
206-44-0	Fluoranthene	ND		94.3	68.3	72	77.0	82	12	63-106/21
86-73-7	Fluorene	ND		94.3	74.5	79	80.2	85	7	62-108/20
118-74-1	Hexachlorobenzene	ND		94.3	68.5	73	72.8	77	6	63-108/22
87-68-3	Hexachlorobutadiene	ND		94.3	57.5	61	67.3	71	16	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		94.3	45.9	49	49.6	53	8	39-102/29
67-72-1	Hexachloroethane	ND		94.3	57.0	60	67.0	71	16	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	67.8	72	70.3	75	4	64-119/24
78-59-1	Isophorone	ND		94.3	65.6	70	75.1	80	14	43-87/25
90-12-0	1-Methylnaphthalene	ND		94.3	73.6	78	81.5	86	10	53-102/27
91-57-6	2-Methylnaphthalene	0.71	J	94.3	65.1	69	72.9	77	11	51-102/26
88-74-4	2-Nitroaniline	ND		94.3	73.7	78	79.9	85	8	54-128/24
99-09-2	3-Nitroaniline	ND		94.3	15.4	16*	25.6	27*	50*	56-106/27
100-01-6	4-Nitroaniline	ND		94.3	22.5	24*	32.6	35*	37*	55-120/24
91-20-3	Naphthalene	1.5	J	94.3	64.4	68	73.2	78	13	47-100/29
98-95-3	Nitrobenzene	ND		94.3	70.2	74	76.8	81	9	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		94.3	39.7	42	50.2	53	23	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	74.6	79	84.5	90	12	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		94.3	71.1	75	84.2	89	17	64-108/23
85-01-8	Phenanthrene	ND		94.3	75.2	80	77.8	82	3	66-110/21
129-00-0	Pyrene	ND		94.3	77.5	82	80.5	85	4	64-113/23
110-86-1	Pyridine	ND		94.3	37.9	40	51.1	54	30	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	55.8	59	65.2	69	16	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-1	FA12080-1	Limits
367-12-4	2-Fluorophenol	43%	58%	35%	41%	14-67%
4165-62-2	Phenol-d5	33%	47%	23%	25%	10-50%
118-79-6	2,4,6-Tribromophenol	73%	90%	85%	89%	33-118%
4165-60-0	Nitrobenzene-d5	69%	78%	74%	83%	42-108%
321-60-8	2-Fluorobiphenyl	71%	78%	73%	86%	40-106%
1718-51-0	Terphenyl-d14	92%	95%	93%	99%	39-121%

(a) Result is from Run #2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MS	T011497.D	1	02/07/14	FS	02/05/14	OP50364	ST547
OP50364-MSD	T011498.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	FA12143-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	56.7 [a]	J	189	485	227*	483	226*	0	10-69/39
95-57-8	2-Chlorophenol	ND		94.3	76.4	81	79.6	84	4	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	105	111*	101	107*	4	54-103/23
120-83-2	2,4-Dichlorophenol	ND		94.3	94.7	100	92.0	98	3	53-103/26
105-67-9	2,4-Dimethylphenol	ND		94.3	28.7	30*	27.7	29*	4	43-90/27
51-28-5	2,4-Dinitrophenol	ND		189	225	119*	210	111	7	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		189	192	102	185	98	4	66-121/23
95-48-7	2-Methylphenol	0.74	J	94.3	74.0	78	72.7	76	2	43-90/28
	3&4-Methylphenol	1.6	J	189	154	81	154	81	0	36-88/28
88-75-5	2-Nitrophenol	0.83	J	94.3	93.8	99	96.0	101	2	53-102/29
100-02-7	4-Nitrophenol	ND		189	155	82*	151	80*	3	18-62/33
87-86-5	Pentachlorophenol	ND		189	225	119*	213	113	5	61-115/26
108-95-2	Phenol	11.4		94.3	66.2	58*	66.1	58*	0	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		94.3	91.5	97	87.2	92	5	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		94.3	91.9	97	88.2	93	4	59-107/23
83-32-9	Acenaphthene	ND		94.3	89.5	95	87.2	92	3	61-107/22
208-96-8	Acenaphthylene	ND		94.3	88.3	94	85.8	91	3	60-104/22
62-53-3	Aniline	ND		94.3	ND	0*	ND	0*	nc	47-100/30
120-12-7	Anthracene	ND		94.3	85.8	91	82.8	88	4	65-108/20
56-55-3	Benzo(a)anthracene	ND		94.3	95.4	101	92.2	98	3	66-111/22
50-32-8	Benzo(a)pyrene	ND		94.3	83.8	89	78.7	83	6	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		94.3	102	108	96.3	102	6	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		94.3	97.3	103	92.0	98	6	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		94.3	88.6	94	84.2	89	5	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	70.0	74	67.7	72	3	65-109/23
85-68-7	Butyl benzyl phthalate	1.0	J	94.3	98.0	103	92.9	97	5	65-112/24
100-51-6	Benzyl Alcohol	3.2	J	94.3	91.6	94	91.7	94	0	46-94/27
91-58-7	2-Chloronaphthalene	ND		94.3	82.5	87	80.9	86	2	57-103/23
106-47-8	4-Chloroaniline	ND		94.3	ND	0*	1.3	1*	200*	49-105/27
86-74-8	Carbazole	1.1	J	94.3	90.9	95	90.2	94	1	59-113/21
218-01-9	Chrysene	ND		94.3	91.5	97	85.7	91	7	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	90.3	96	91.7	97	2	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	76.9	82	78.3	83	2	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	85.7	91	87.3	93	2	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	87.9	93	84.0	89	5	62-105/20
95-50-1	1,2-Dichlorobenzene	ND		94.3	71.9	76	73.3	78	2	48-97/24

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MS	T011497.D	1	02/07/14	FS	02/05/14	OP50364	ST547
OP50364-MSD	T011498.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Compound	FA12143-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
122-66-7	1,2-Diphenylhydrazine	ND		94.3	85.5	91	82.4	87	4	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		94.3	70.9	75	72.5	77	2	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		94.3	74.8	79	77.0	82	3	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		94.3	102	108	99.4	105	3	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		94.3	97.2	103	91.8	97	6	63-108/21
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	102	108	95.7	101	6	66-119/24
132-64-9	Dibenzofuran	ND		94.3	91.4	97	86.5	92	6	61-106/21
84-74-2	Di-n-butyl phthalate	2.6	J	94.3	94.6	98	91.6	94	3	65-107/21
117-84-0	Di-n-octyl phthalate	ND		94.3	102	108	98.2	104	4	62-118/24
84-66-2	Diethyl phthalate	ND		94.3	97.7	104	92.9	98	5	64-108/21
131-11-3	Dimethyl phthalate	ND		94.3	91.6	97	86.3	91	6	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	3.6	J	94.3	100	102	94.7	97	5	61-117/23
206-44-0	Fluoranthene	ND		94.3	99.3	105	97.1	103	2	63-106/21
86-73-7	Fluorene	ND		94.3	99.0	105	94.7	100	4	62-108/20
118-74-1	Hexachlorobenzene	ND		94.3	81.8	87	80.1	85	2	63-108/22
87-68-3	Hexachlorobutadiene	ND		94.3	86.5	92	86.8	92	0	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		94.3	67.0	71	63.3	67	6	39-102/29
67-72-1	Hexachloroethane	ND		94.3	75.0	80	75.9	80	1	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	98.4	104	91.8	97	7	64-119/24
78-59-1	Isophorone	ND		94.3	92.9	98*	92.5	98*	0	43-87/25
90-12-0	1-Methylnaphthalene	0.71	J	94.3	90.7	95	90.5	95	0	53-102/27
91-57-6	2-Methylnaphthalene	1.2	J	94.3	94.1	98	93.6	98	1	51-102/26
88-74-4	2-Nitroaniline	ND		94.3	79.0	84	75.4	80	5	54-128/24
99-09-2	3-Nitroaniline	ND		94.3	ND	0*	ND	0*	nc	56-106/27
100-01-6	4-Nitroaniline	ND		94.3	ND	0*	ND	0*	nc	55-120/24
91-20-3	Naphthalene	5.5		94.3	98.9	99	99.9	100	1	47-100/29
98-95-3	Nitrobenzene	ND		94.3	107	113*	108	114*	1	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		94.3	69.3	73	71.9	76	4	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	93.9	100	96.3	102	3	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		94.3	75.1	80	73.0	77	3	64-108/23
85-01-8	Phenanthrene	1.0	J	94.3	95.5	100	92.4	97	3	66-110/21
129-00-0	Pyrene	ND		94.3	96.0	102	90.0	95	6	64-113/23
110-86-1	Pyridine	ND		94.3	10.7	11*	70.2	74	147*	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	80.5	85	81.6	86	1	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MS	T011497.D	1	02/07/14	FS	02/05/14	OP50364	ST547
OP50364-MSD	T011498.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12103-10

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-1	FA12143-1	Limits
367-12-4	2-Fluorophenol	65%	66%	42%	28%	14-67%
4165-62-2	Phenol-d5	52%*	53%*	30%	16%	10-50%
118-79-6	2,4,6-Tribromophenol	99%	93%	93%	85%	33-118%
4165-60-0	Nitrobenzene-d5	100%	101%	103%	71%	42-108%
321-60-8	2-Fluorobiphenyl	89%	85%	83%	75%	40-106%
1718-51-0	Terphenyl-d14	114%	108%	93%	78%	39-121%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MB	CC043309.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	84%	33-145%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50379-MB	CC043372.D	1	02/10/14	NJ	02/06/14	OP50379	GCC637

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	72%	33-145%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50321-MB	KK61487.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12103-1, FA12103-2, FA12103-3

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	42-127%
2051-24-3	Decachlorobiphenyl	84%	27-127%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50346-MB	KK61574.D	1	02/06/14	EM	02/04/14	OP50346	GKK2061

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	92%	42-127%
2051-24-3	Decachlorobiphenyl	100%	27-127%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50322-MB	ST124024.D	1	02/04/14	MV	02/03/14	OP50322	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12103-1, FA12103-2, FA12103-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	88%	38-127%
2051-24-3	Decachlorobiphenyl	90%	25-137%

Method Blank Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50347-MB	ST124052.D	1	02/04/14	MV	02/04/14	OP50347	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	93%	38-127%
2051-24-3	Decachlorobiphenyl	99%	25-137%

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-BS	CC043308.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	5.3	106	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.56	112	76-142
93-76-5	2,4,5-T	0.5	0.54	108	75-149
1918-00-9	Dicamba	0.5	0.51	102	51-150
88-85-7	Dinoseb	2.5	1.6	64	10-122
75-99-0	Dalapon	12.5	10.6	85	19-132
120-36-5	Dichloroprop	5	6.4	128	76-160
94-82-6	2,4-DB	5	5.7	114	65-145
93-65-2	MCPP	500	538	108	66-131
94-74-6	MCPA	500	492	98	64-137
87-86-5	Pentachlorophenol	0.5	0.46	92	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	90%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50379-BS	CC043371.D	1	02/10/14	NJ	02/06/14	OP50379	GCC637

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12103-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	6.0	120	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.66	132	76-142
93-76-5	2,4,5-T	0.5	0.61	122	75-149
1918-00-9	Dicamba	0.5	0.59	118	51-150
88-85-7	Dinoseb	2.5	2.7	108	10-122
75-99-0	Dalapon	12.5	11.2	90	19-132
120-36-5	Dichloroprop	5	7.1	142	76-160
94-82-6	2,4-DB	5	5.8	116	65-145
93-65-2	MCPP	500	532	106	66-131
94-74-6	MCPA	500	575	115	64-137
87-86-5	Pentachlorophenol	0.5	0.53	106	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	98%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50321-BS	KK61486.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12103-1, FA12103-2, FA12103-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.46	92	61-126
319-84-6	alpha-BHC	0.5	0.49	98	66-129
319-85-7	beta-BHC	0.5	0.49	98	66-132
319-86-8	delta-BHC	0.5	0.47	94	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.48	96	68-132
5103-71-9	alpha-Chlordane	0.5	0.46	92	66-131
5103-74-2	gamma-Chlordane	0.5	0.47	94	68-128
60-57-1	Dieldrin	0.5	0.45	90	66-138
72-54-8	4,4'-DDD	0.5	0.44	88	63-138
72-55-9	4,4'-DDE	0.5	0.45	90	59-133
50-29-3	4,4'-DDT	0.5	0.61	122	55-145
72-20-8	Endrin	0.5	0.50	100	71-147
1031-07-8	Endosulfan sulfate	0.5	0.44	88	64-128
7421-93-4	Endrin aldehyde	0.5	0.37	74	60-130
53494-70-5	Endrin ketone	0.5	0.44	88	66-137
959-98-8	Endosulfan-I	0.5	0.34	68	66-133
33213-65-9	Endosulfan-II	0.5	0.37	74	65-133
76-44-8	Heptachlor	0.5	0.49	98	63-130
1024-57-3	Heptachlor epoxide	0.5	0.47	94	67-129
72-43-5	Methoxychlor	0.5	0.56	112	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	42-127%
2051-24-3	Decachlorobiphenyl	84%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50346-BS	KK61573.D	1	02/06/14	EM	02/04/14	OP50346	GKK2061

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.48	96	61-126
319-84-6	alpha-BHC	0.5	0.49	98	66-129
319-85-7	beta-BHC	0.5	0.49	98	66-132
319-86-8	delta-BHC	0.5	0.47	94	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.49	98	68-132
5103-71-9	alpha-Chlordane	0.5	0.52	104	66-131
5103-74-2	gamma-Chlordane	0.5	0.54	108	68-128
60-57-1	Dieldrin	0.5	0.51	102	66-138
72-54-8	4,4'-DDD	0.5	0.47	94	63-138
72-55-9	4,4'-DDE	0.5	0.48	96	59-133
50-29-3	4,4'-DDT	0.5	0.56	112	55-145
72-20-8	Endrin	0.5	0.48	96	71-147
1031-07-8	Endosulfan sulfate	0.5	0.46	92	64-128
7421-93-4	Endrin aldehyde	0.5	0.41	82	60-130
53494-70-5	Endrin ketone	0.5	0.45	90	66-137
959-98-8	Endosulfan-I	0.5	0.49	98	66-133
33213-65-9	Endosulfan-II	0.5	0.47	94	65-133
76-44-8	Heptachlor	0.5	0.49	98	63-130
1024-57-3	Heptachlor epoxide	0.5	0.49	98	67-129
72-43-5	Methoxychlor	0.5	0.50	100	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	94%	42-127%
2051-24-3	Decachlorobiphenyl	98%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50322-BS	ST124023.D	1	02/04/14	MV	02/03/14	OP50322	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12103-1, FA12103-2, FA12103-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.6	90	57-122
11096-82-5	Aroclor 1260	4	3.3	83	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	38-127%
2051-24-3	Decachlorobiphenyl	98%	25-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50347-BS	ST124051.D	1	02/04/14	MV	02/04/14	OP50347	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.4	85	57-122
11096-82-5	Aroclor 1260	4	3.1	78	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	88%	38-127%
2051-24-3	Decachlorobiphenyl	89%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MS	CC043311.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
OP50343-MSD	CC043312.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
FA12080-8	CC043310.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8

CAS No.	Compound	FA12080-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		9.43	11.5	122	10.5	111	9	69-138/21
93-72-1	2,4,5-TP (Silvex)	ND		0.943	1.1	117	1.0	106	10	76-142/27
93-76-5	2,4,5-T	ND		0.943	1.1	117	1.0	106	10	75-149/22
1918-00-9	Dicamba	ND		0.943	1.1	117	1.0	106	10	51-150/23
88-85-7	Dinoseb	ND		4.72	3.2	68	2.8	59	13	10-122/35
75-99-0	Dalapon	ND		23.6	24.4	103	12.8	54	62*	19-132/28
120-36-5	Dichloroprop	ND		9.43	13.7	145	12.7	135	8	76-160/21
94-82-6	2,4-DB	ND		9.43	11.3	120	10.3	109	9	65-145/26
93-65-2	MCPP	ND		943	1170	124	986	105	17	66-131/21
94-74-6	MCPA	ND		943	1030	109	955	101	8	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	0.97	103	0.91	96	6	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-8	Limits
19719-28-9	2,4-DCAA	110%	101%	89%	33-145%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50379-MS	CC043375.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
OP50379-MSD	CC043376.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
FA12143-8 [a]	CC043385.D	50	02/10/14	NJ	02/06/14	OP50379	GCC637

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12103-10

CAS No.	Compound	FA12143-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		9.43	18.1	192*	16.6	176*	9	69-138/21
93-72-1	2,4,5-TP (Silvex)	ND		0.943	ND	0*	ND	0*	nc	76-142/27
93-76-5	2,4,5-T	2.3	J	0.943	3.3	106	3.8	159* [b]	14	75-149/22
1918-00-9	Dicamba	ND		0.943	1.8	191*	1.7	180*	6	51-150/23
88-85-7	Dinoseb	ND		4.72	ND	0*	ND	0*	nc	10-122/35
75-99-0	Dalapon	ND		23.6	ND	0*	ND	0*	nc	19-132/28
120-36-5	Dichloroprop	ND		9.43	16.3	173*	14.0	148	15	76-160/21
94-82-6	2,4-DB	ND		9.43	26.9	285*	20.7	219*	26	65-145/26
93-65-2	MCPP	ND		943	3350	355*	2990	317*	11	66-131/21
94-74-6	MCPA	ND		943	5030	533*	4650	493*	8	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	1.8	191*	2.1	223*	15	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-8	Limits
19719-28-9	2,4-DCAA	0%* [c]	0%* [c]	0%* [c]	33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50321-MS	KK61489.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
OP50321-MSD	KK61490.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
FA12118-1	KK61488.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12103-1, FA12103-2, FA12103-3

CAS No.	Compound	FA12118-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	0.048	U	0.943	0.90	95	0.91	96	1	61-126/21
319-84-6	alpha-BHC	0.048	U	0.943	0.92	98	0.90	95	2	66-129/23
319-85-7	beta-BHC	0.048	U	0.943	0.95	101	0.94	100	1	66-132/23
319-86-8	delta-BHC	0.048	U	0.943	1.0	106	0.99	105	1	41-142/27
58-89-9	gamma-BHC (Lindane)	0.048	U	0.943	0.94	100	0.92	98	2	68-132/22
5103-71-9	alpha-Chlordane	0.048	U	0.943	0.91	96	0.88	93	3	66-131/24
5103-74-2	gamma-Chlordane	0.048	U	0.943	0.92	98	0.92	98	0	68-128/21
60-57-1	Dieldrin	0.048	U	0.943	0.88	93	0.87	92	1	66-138/22
72-54-8	4,4'-DDD	0.096	U	0.943	0.85	90	0.90	95	6	63-138/24
72-55-9	4,4'-DDE	0.096	U	0.943	0.85	90	0.87	92	2	59-133/23
50-29-3	4,4'-DDT	0.096	U	0.943	1.4	148*	1.5	159*	7	55-145/27
72-20-8	Endrin	0.096	U	0.943	1.0	106	1.0	106	0	71-147/23
1031-07-8	Endosulfan sulfate	0.096	U	0.943	0.88	93	0.91	96	3	64-128/26
7421-93-4	Endrin aldehyde	0.096	U	0.943	0.78	83	0.79	84	1	60-130/22
53494-70-5	Endrin ketone	0.096	U	0.943	0.90	95	0.93	99	3	66-137/25
959-98-8	Endosulfan-I	0.048	U	0.943	0.65	69	0.67	71	3	66-133/21
33213-65-9	Endosulfan-II	0.048	U	0.943	0.71	75	0.73	77	3	65-133/22
76-44-8	Heptachlor	0.048	U	0.943	0.97	103	1.0	106	3	63-130/23
1024-57-3	Heptachlor epoxide	0.048	U	0.943	0.88	93	0.87	92	1	67-129/23
72-43-5	Methoxychlor	0.096	U	0.943	1.3	138*	1.4	148*	7	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12118-1	Limits
877-09-8	Tetrachloro-m-xylene	95%	93%	95%	42-127%
2051-24-3	Decachlorobiphenyl	85%	83%	76%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50346-MS	KK61582.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
OP50346-MSD	KK61584.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
FA12143-2 [a]	KK61581.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

CAS No.	Compound	FA12143-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		0.943	0.37	39*	0.43	46*	15	61-126/21
319-84-6	alpha-BHC	ND		0.943	0.60	64*	0.69	73	14	66-129/23
319-85-7	beta-BHC	ND		0.943	0.48	51*	0.57	60*	17	66-132/23
319-86-8	delta-BHC	ND		0.943	0.77	82	0.92	98	18	41-142/27
58-89-9	gamma-BHC (Lindane)	ND		0.943	0.54	57*	0.60	64*	11	68-132/22
5103-71-9	alpha-Chlordane	ND		0.943	0.66	70	0.77	82	15	66-131/24
5103-74-2	gamma-Chlordane	ND		0.943	0.64	68	0.76	81	17	68-128/21
60-57-1	Dieldrin	ND		0.943	0.47	50*	0.54	57*	14	66-138/22
72-54-8	4,4'-DDD	ND		0.943	0.39	41*	0.43	46*	10	63-138/24
72-55-9	4,4'-DDE	ND		0.943	0.35	37*	0.39	41*	11	59-133/23
50-29-3	4,4'-DDT	ND		0.943	0.54	57	0.63	67	15	55-145/27
72-20-8	Endrin	ND		0.943	0.56	59*	0.65	69*	15	71-147/23
1031-07-8	Endosulfan sulfate	ND		0.943	0.51	54*	0.58	61*	13	64-128/26
7421-93-4	Endrin aldehyde	ND		0.943	0.40	42*	0.49	52*	20	60-130/22
53494-70-5	Endrin ketone	ND		0.943	0.55	58*	0.66	70	18	66-137/25
959-98-8	Endosulfan-I	ND		0.943	0.44	47*	0.51	54*	15	66-133/21
33213-65-9	Endosulfan-II	ND		0.943	0.47	50*	0.53	56*	12	65-133/22
76-44-8	Heptachlor	ND		0.943	0.44	47*	0.53	56*	19	63-130/23
1024-57-3	Heptachlor epoxide	ND		0.943	0.50	53*	0.58	61*	15	67-129/23
72-43-5	Methoxychlor	ND		0.943	0.68	72	0.69	73	1	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-2	Limits
877-09-8	Tetrachloro-m-xylene	81%	96%	112%	42-127%
2051-24-3	Decachlorobiphenyl	10%*	14%*	5%* [b]	27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50322-MS	ST124028.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
OP50322-MSD	ST124029.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
FA12102-3 [a]	ST124027.D	1	02/04/14	MV	02/03/14	OP50322	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12103-1, FA12103-2, FA12103-3

CAS No.	Compound	FA12102-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	7.4	98	7.0	93	6	57-122/18
11096-82-5	Aroclor 1260	0.58		7.55	7.7	94	7.7	94	0	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12102-3	Limits
877-09-8	Tetrachloro-m-xylene	95%	97%	103%	38-127%
2051-24-3	Decachlorobiphenyl	85%	100%	82%	25-137%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12103
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50347-MS	ST124070.D	1	02/05/14	MV	02/04/14	OP50347	GST2947
OP50347-MSD	ST124071.D	1	02/05/14	MV	02/04/14	OP50347	GST2947
FA12143-8 [a]	ST124069.D	1	02/05/14	MV	02/04/14	OP50347	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

CAS No.	Compound	FA12143-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	4.9	65	5.3	70	8	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	2.5	33*	3.2	42*	25*	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-8	Limits
877-09-8	Tetrachloro-m-xylene	68%	69%	55%	38-127%
2051-24-3	Decachlorobiphenyl	10%* [c]	12%* [c]	8%* [b]	25-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.
(c) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	5.1	<200
Antimony	6.0	2	2.3	-0.20	<6.0
Arsenic	10	2	2.4	-1.8	<10
Barium	200	1	1	-0.10	<200
Beryllium	4.0	.5	.5	-0.20	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	1.7	<1000
Chromium	10	1	2	-0.50	<10
Cobalt	50	.5	.5	-0.20	<50
Copper	25	1	1	-0.20	<25
Iron	300	17	17	-0.10	<300
Lead	5.0	1.1	1.1	-1.2	<5.0
Magnesium	5000	50	56	-33	<5000
Manganese	15	.5	1	-0.10	<15
Molybdenum	50	.5	.5	-0.40	<50
Nickel	40	.5	.5	-0.20	<40
Potassium	10000	200	200	9.8	<10000
Selenium	10	2.3	2.3	0.70	<10
Silver	10	.65	.77	0.0	<10
Sodium	10000	500	500	10.5	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-1.6	<10
Tin	50	.7	1	-0.50	<50
Titanium	10	.9	1	-0.60	<10
Vanadium	50	.5	.5	-0.20	<50
Zinc	20	3	3	1.4	<20

Associated samples MP26765: FA12103-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/03/14						02/03/14	
Metal	FA12103-1 Original	DUP	RPD	QC Limits	FA12103-1 Original	MS	Spikelot MPFLICP2	% Rec		QC Limits
Aluminum	287000	215000(a	28.7*(b)	0-20	287000	180000(a	27000	-396.3(d		80-120
Antimony	98.5	78.9 (a)	22.1 (c)	0-20	98.5	152 (a)	500	10.7N(e)		80-120
Arsenic	145	113 (a)	24.8 (c)	0-20	145	1560 (a)	2000	70.8N(e)		80-120
Barium	19400	15200(a)	24.3*(b)	0-20	19400	12700(a)	2000	-335.0(d		80-120
Beryllium	11.9	8.9 (a)	28.8 (c)	0-20	11.9	52.7 (a)	50	81.6		80-120
Cadmium	451	358 (a)	23.0*(b)	0-20	451	353 (a)	50	-196.0(d		80-120
Calcium	1260000	1180000a	6.6	0-20	1260000	1190000a	25000	-280.0(d		80-120
Chromium	6310	4730 (a)	28.6*(b)	0-20	6310	3540 (a)	200	-1385.0d		80-120
Cobalt	1100	893 (a)	20.8 (c)	0-20	1100	1150 (a)	500	10.0N(e)		80-120
Copper	2930	2220 (a)	27.6*(b)	0-20	2930	1820 (a)	250	-444.0(d		80-120
Iron	780000	584000(a	28.7*(b)	0-20	780000	429000(a	26000	-1350.0d		80-120
Lead	30600	22200(a)	31.8*(b)	0-20	30600	16600(a)	500	-2800.0d		80-120
Magnesium	188000	148000(a	23.8 (c)	0-20	188000	135000(a	25000	-212.0(d		80-120
Manganese	13700	11300(a)	19.2	0-20	13700	9630 (a)	500	-814.0(d		80-120
Molybdenum	70.3	54.4 (a)	25.5 (c)	0-20	70.3	312 (a)	500	48.3N(e)		80-120
Nickel	1130	860 (a)	27.1 (c)	0-20	1130	1070 (a)	500	-12.0N(e		80-120
Potassium	89800	78600(a)	13.3	0-20	89800	90900(a)	25000	4.4N (e)		80-120
Selenium	35.6	0.0 (a)	200.0(c)	0-20	35.6	1250 (a)	2000	60.7N(e)		80-120
Silver	62.2	41.7 (a)	39.5 (c)	0-20	62.2	72.6 (a)	50	20.8N(e)		80-120
Sodium	113000	118000(a	4.3	0-20	113000	147000(a	25000	136.0(d)		80-120
Strontium	6020	5460 (a)	9.8	0-20	6020	5600 (a)	500	-84.0(d)		80-120
Thallium	0.0	0.0 (a)	NC	0-20	0.0	1960 (a)	2000	98.0		80-120
Tin	125	58.0 (a)	73.2 (c)	0-20	125	135 (a)	500	2.0N (e)		80-120
Titanium	6970	5730 (a)	19.5	0-20	6970	4640 (a)	500	-466.0(d		80-120
Vanadium	565	429 (a)	27.4 (c)	0-20	565	731 (a)	500	33.2N(e)		80-120
Zinc	55600	45100(a)	20.9*(b)	0-20	55600	36600(a)	500	-3800.0d		80-120

Associated samples MP26765: FA12103-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) High RPD indicates possible matrix interference.
(c) RPD acceptable due to low duplicate and sample concentrations.
(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(e) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	FA12103-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	287000	160000(a	27000	-470.4(b	11.8	20
Antimony	98.5	162 (a)	500	12.7N(c)	6.4	20
Arsenic	145	1630 (a)	2000	74.3N(c)	4.4	20
Barium	19400	11600(a)	2000	-390.0(b	9.1	20
Beryllium	11.9	52.3 (a)	50	80.8	0.8	20
Cadmium	451	330 (a)	50	-242.0(b	6.7	20
Calcium	1260000	1140000a	25000	-480.0(b	4.3	20
Chromium	6310	3200 (a)	200	-1555.0b	10.1	20
Cobalt	1100	1110 (a)	500	2.0N (c)	3.5	20
Copper	2930	1650 (a)	250	-512.0(b	9.8	20
Iron	780000	381000(a	26000	-1534.6b	11.9	20
Lead	30600	14900(a)	500	-3140.0b	10.8	20
Magnesium	188000	126000(a	25000	-248.0(b	6.9	20
Manganese	13700	9020 (a)	500	-936.0(b	6.5	20
Molybdenum	70.3	332 (a)	500	52.3N(c)	6.2	20
Nickel	1130	1020 (a)	500	-22.0N(c	4.8	20
Potassium	89800	87100(a)	25000	-10.8N(c	4.3	20
Selenium	35.6	1280 (a)	2000	62.2N(c)	2.4	20
Silver	62.2	72.9 (a)	50	21.4N(c)	0.4	20
Sodium	113000	147000(a	25000	136.0(b)	0.0	20
Strontium	6020	5350 (a)	500	-134.0(b	4.6	20
Thallium	0.0	1980 (a)	2000	99.0	1.0	20
Tin	125	206 (a)	500	16.2N(c)	41.6 (d)	20
Titanium	6970	4130 (a)	500	-568.0(b	11.6	20
Vanadium	565	709 (a)	500	28.8N(c)	3.1	20
Zinc	55600	34000(a)	500	-4320.0b	7.4	20

Associated samples MP26765: FA12103-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike recovery indicates possible matrix interference.
(d) High RPD indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	28800	27000	106.7	80-120
Antimony	532	500	106.4	80-120
Arsenic	2130	2000	106.5	80-120
Barium	2140	2000	107.0	80-120
Beryllium	54.7	50	109.4	80-120
Cadmium	53.4	50	106.8	80-120
Calcium	27300	25000	109.2	80-120
Chromium	219	200	109.5	80-120
Cobalt	533	500	106.6	80-120
Copper	271	250	108.4	80-120
Iron	27600	26000	106.2	80-120
Lead	524	500	104.8	80-120
Magnesium	26600	25000	106.4	80-120
Manganese	554	500	110.8	80-120
Molybdenum	522	500	104.4	80-120
Nickel	552	500	110.4	80-120
Potassium	26600	25000	106.4	80-120
Selenium	2100	2000	105.0	80-120
Silver	52.5	50	105.0	80-120
Sodium	26700	25000	106.8	80-120
Strontium	534	500	106.8	80-120
Thallium	2090	2000	104.5	80-120
Tin	540	500	108.0	80-120
Titanium	551	500	110.2	80-120
Vanadium	526	500	105.2	80-120
Zinc	542	500	108.4	80-120

Associated samples MP26765: FA12103-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	FA12103-1 Original	SDL 10	%DIF	QC Limits
Aluminum	287000	335000	16.7*(a)	0-10
Antimony	98.5	144	46.6 (b)	0-10
Arsenic	145	150	2.8	0-10
Barium	19400	22500	16.0*(a)	0-10
Beryllium	11.9	0.00	100.0(b)	0-10
Cadmium	451	531	18.0*(a)	0-10
Calcium	1260000	1510000	20.5*(a)	0-10
Chromium	6310	7560	19.8*(a)	0-10
Cobalt	1100	1330	20.4*(a)	0-10
Copper	2930	3290	12.3*(a)	0-10
Iron	780000	956000	22.6*(a)	0-10
Lead	30600	28800	5.6	0-10
Magnesium	188000	227000	21.0*(a)	0-10
Manganese	13700	16600	21.1*(a)	0-10
Molybdenum	70.3	76.1	8.3	0-10
Nickel	1130	1370	20.6*(a)	0-10
Potassium	89800	103000	14.9 (b)	0-10
Selenium	35.6	0.00	100.0(b)	0-10
Silver	62.2	83.3	33.9 (b)	0-10
Sodium	113000	129000	14.7 (b)	0-10
Strontium	6020	7050	17.1*(a)	0-10
Thallium	0.00	0.00	NC	0-10
Tin	125	140	11.4 (b)	0-10
Titanium	6970	8360	19.9*(a)	0-10
Vanadium	565	653	15.5*(a)	0-10
Zinc	55600	69100	24.2*(a)	0-10

Associated samples MP26765: FA12103-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12103-1 Raw	FA12103-1 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	287100	281358	286600	0.2	125	2500	209.7*(a	80-120
Antimony	9.8	10	98.5	96.53	174.3	0.2	5	100	77.8*(a)	80-120
Arsenic	9.8	10	145.4	142.492	219.2	0.2	5	100	76.7*(a)	80-120
Barium	9.8	10	19420	19031.6	19510	0.2	12.5	250	191.4*(a	80-120
Beryllium	9.8	10	11.9	11.662	54.7	0.2	2.5	50	86.1	80-120
Cadmium	9.8	10	450.5	441.49	492.1	0.2	2.5	50	101.2	80-120
Calcium	9.8	10	1256000	1230880	1256000	0.2	250	5000	502.4*(a	80-120
Chromium	9.8	10	6310	6183.8	6276	0.2	2.5	50	184.4*(a	80-120
Cobalt	9.8	10	1103	1080.94	1145	0.2	2.5	50	128.1*(a	80-120
Copper	9.8	10	2930	2871.4	2988	0.2	5	100	116.6	80-120
Iron	9.8	10	779700	764106	779100	0.2	150	3000	499.8*(a	80-120
Lead	9.8	10	30560	29948.8	30600	0.2	2.5	50	1302.4*a	80-120
Magnesium	9.8	10	188000	184240	191600	0.2	250	5000	147.2*(a	80-120
Manganese	9.8	10	13680	13406.4	13680	0.2	2.5	50	547.2*(a	80-120
Molybdenum	9.8	10	70.3	68.894	155.2	0.2	5	100	86.3	80-120
Nickel	9.8	10	1132	1109.36	1219	0.2	5	100	109.6	80-120
Potassium	9.8	10	89790	87994.2	98010	0.2	500	10000	100.2	80-120
Selenium	9.8	10	35.6	34.888	133.1	0.2	5	100	98.2	80-120
Silver	9.8	10	62.2	60.956	106	0.2	2.5	50	90.1	80-120
Sodium	9.8	10	112500	110250	120600	0.2	500	10000	103.5	80-120
Strontium	9.8	10	6023	5902.54	6009	0.2	2.5	50	212.9*(a	80-120
Thallium	9.8	10			93.1	0.2	5	100	93.1	80-120
Tin	9.8	10	125.3	122.794	168.6	0.2	2.5	50	91.6	80-120
Titanium	9.8	10	6971	6831.58	7066	0.2	5	100	234.4*(a	80-120
Vanadium	9.8	10	565.2	553.896	599.9	0.2	2.5	50	92.0	80-120
Zinc	9.8	10	55620	54507.6	55670	0.2	12.5	250	465.0*(a	80-120

Associated samples MP26765: FA12103-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	3.8	<200
Antimony	6.0	2	2.3	-0.60	<6.0
Arsenic	10	2	2.4	-0.40	<10
Barium	200	1	1	-0.30	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	-4.0	<1000
Chromium	10	1	2	-0.20	<10
Cobalt	50	.5	.5	-0.10	<50
Copper	25	1	1	0.50	<25
Iron	300	17	17	-17	<300
Lead	5.0	1.1	1.1	0.60	<5.0
Magnesium	5000	50	56	-5.3	<5000
Manganese	15	.5	1	0.10	<15
Molybdenum	50	.5	.5	-0.70	<50
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200	-17	<10000
Selenium	10	2.3	2.3	0.40	<10
Silver	10	.65	.77	-0.40	<10
Sodium	10000	500	500	-12	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-0.10	<10
Tin	50	.7	1	-0.40	<50
Titanium	10	.9	1	-1.1	<10
Vanadium	50	.5	.5	0.20	<50
Zinc	20	3	3	3.3	<20

Associated samples MP26766: FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/03/14					02/03/14	
Metal	FA12143-2 Original	DUP	RPD	QC Limits	FA12143-2 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	1610	1600	0.6	0-20	1610	29500	27000	103.3	80-120
Antimony	17.7	17.9	1.1	0-20	17.7	494	500	95.3	80-120
Arsenic	5.9	5.8	1.7	0-20	5.9	1980	2000	98.7	80-120
Barium	70.5	67.0	1.2	0-20	70.5	2120	2000	102.6	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	52.9	50	105.8	80-120
Cadmium	0.0	2.8	0.0	0-20	0.0	52.6	50	99.6	80-120
Calcium	21900	22100	0.9	0-20	21900	48700	25000	107.2	80-120
Chromium	1280	1260	1.6	0-20	1280	1720	200	220.0(a)	80-120
Cobalt	5.3	5.1	3.8	0-20	5.3	506	500	100.1	80-120
Copper	688	681	1.0	0-20	688	973	250	114.0	80-120
Iron	7160	7430	0.8	0-20	7160	35900	26000	109.3	80-120
Lead	224	214	1.4	0-20	224	748	500	106.2	80-120
Magnesium	8870	8870	0.0	0-20	8870	33900	25000	100.1	80-120
Manganese	172	155	1.3	0-20	172	697	500	108.0	80-120
Molybdenum	8.9	9.5	4.1	0-20	8.9	506	500	99.2	80-120
Nickel	46.4	42.9	2.3	0-20	46.4	542	500	99.6	80-120
Potassium	6650	6580	1.1	0-20	6650	32100	25000	101.8	80-120
Selenium	3.3	3.3	0.0	0-20	3.3	1960	2000	97.8	80-120
Silver	1.9	1.8	5.4	0-20	1.9	51.8	50	99.8	80-120
Sodium	257000	259000	4.9	0-20	257000	297000	25000	100.0	80-120
Strontium	240	241	0.4	0-20	240	774	500	106.8	80-120
Thallium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Tin	0.0	3.5	5.6	0-20	0.0	503	500	99.9	80-120
Titanium	18.3	17.6	3.9	0-20	18.3	551	500	106.5	80-120
Vanadium	2.4	2.6	8.0	0-20	2.4	493	500	98.1	80-120
Zinc	424	416	1.9	0-20	424	949	500	105.0	80-120

Associated samples MP26766: FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12143-2 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	1610	29500	27000	103.3	0.0	20
Antimony	17.7	497	500	95.9	0.6	20
Arsenic	5.9	2000	2000	99.7	1.0	20
Barium	70.5	2130	2000	103.1	0.5	20
Beryllium	0.0	52.9	50	105.8	0.0	20
Cadmium	0.0	52.6	50	99.6	0.0	20
Calcium	21900	48700	25000	107.2	0.0	20
Chromium	1280	1460	200	90.0	16.4	20
Cobalt	5.3	508	500	100.5	0.4	20
Copper	688	968	250	112.0	0.5	20
Iron	7160	35000	26000	105.8	2.5	20
Lead	224	729	500	102.4	2.6	20
Magnesium	8870	34100	25000	100.9	0.6	20
Manganese	172	694	500	107.4	0.4	20
Molybdenum	8.9	508	500	99.6	0.4	20
Nickel	46.4	545	500	100.2	0.6	20
Potassium	6650	32200	25000	102.2	0.3	20
Selenium	3.3	1970	2000	98.3	0.5	20
Silver	1.9	52.0	50	100.2	0.4	20
Sodium	257000	295000	25000	92.0	0.7	20
Strontium	240	767	500	105.4	0.9	20
Thallium	0.0	2020	2000	101.0	0.0	20
Tin	0.0	505	500	100.3	0.4	20
Titanium	18.3	552	500	106.7	0.2	20
Vanadium	2.4	495	500	98.5	0.4	20
Zinc	424	929	500	101.0	2.1	20

Associated samples MP26766: FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27200	27000	100.7	80-120
Antimony	474	500	94.8	80-120
Arsenic	1900	2000	95.0	80-120
Barium	2020	2000	101.0	80-120
Beryllium	50.9	50	101.8	80-120
Cadmium	48.2	50	96.4	80-120
Calcium	25500	25000	102.0	80-120
Chromium	204	200	102.0	80-120
Cobalt	489	500	97.8	80-120
Copper	258	250	103.2	80-120
Iron	26600	26000	102.3	80-120
Lead	492	500	98.4	80-120
Magnesium	24700	25000	98.8	80-120
Manganese	518	500	103.6	80-120
Molybdenum	487	500	97.4	80-120
Nickel	493	500	98.6	80-120
Potassium	24900	25000	99.6	80-120
Selenium	1890	2000	94.5	80-120
Silver	48.6	50	97.2	80-120
Sodium	25200	25000	100.8	80-120
Strontium	506	500	101.2	80-120
Thallium	1990	2000	99.5	80-120
Tin	499	500	99.8	80-120
Titanium	520	500	104.0	80-120
Vanadium	477	500	95.4	80-120
Zinc	492	500	98.4	80-120

Associated samples MP26766: FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12143-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	1610	1650	2.0	0-10
Antimony	17.7	13.6	23.2 (a)	0-10
Arsenic	5.90	0.00	100.0(a)	0-10
Barium	70.5	70.0	3.2	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	2.80	2.50	10.7 (a)	0-10
Calcium	21900	24300	10.7*(b)	0-10
Chromium	1280	1290	0.9	0-10
Cobalt	5.30	5.10	3.8	0-10
Copper	697	704	2.3	0-10
Iron	7490	7490	0.0	0-10
Lead	224	217	0.0	0-10
Magnesium	8870	9260	4.5	0-10
Manganese	172	160	2.1	0-10
Molybdenum	9.90	6.10	38.4 (a)	0-10
Nickel	46.4	43.9	0.0	0-10
Potassium	6360	6640	0.3	0-10
Selenium	0.00	0.00	NC (a)	0-10
Silver	0.00	0.00	NC (a)	0-10
Sodium	257000	262000	3.9	0-10
Strontium	240	252	4.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	3.70	0.00	100.0(a)	0-10
Titanium	18.3	13.3	27.3 (a)	0-10
Vanadium	3.50	2.70	12.5 (a)	0-10
Zinc	424	431	1.6	0-10

Associated samples MP26766: FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12143-2 Raw	FA12143-2 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1614	1581.72	4093	0.2	125	2500	100.5	80-120
Antimony	9.8	10	17.7	17.346	113.1	0.2	5	100	95.8	80-120
Arsenic	9.8	10	5.9	5.782	104.9	0.2	5	100	99.1	80-120
Barium	9.8	10	70.5	66.444	317.8	0.2	12.5	250	100.5	80-120
Beryllium	9.8	10			51.3	0.2	2.5	50	102.6	80-120
Cadmium	9.8	10		2.744	52.6	0.2	2.5	50	99.7	80-120
Calcium	9.8	10	21920	21481.6	27210	0.2	250	5000	114.6	80-120
Chromium	9.8	10	1276	1250.48	1305	0.2	2.5	50	109.0	80-120
Cobalt	9.8	10	5.3	5.194	54.5	0.2	2.5	50	98.6	80-120
Copper	9.8	10	687.7	673.946	782.1	0.2	5	100	108.2	80-120
Iron	9.8	10	7157	7343.14	10380	0.2	150	3000	101.2	80-120
Lead	9.8	10	223.5	212.366	264.3	0.2	2.5	50	103.9	80-120
Magnesium	9.8	10	8868	8690.64	13560	0.2	250	5000	97.4	80-120
Manganese	9.8	10	171.8	153.762	206.3	0.2	2.5	50	105.1	80-120
Molybdenum	9.8	10	8.9	9.702	108.1	0.2	5	100	98.4	80-120
Nickel	9.8	10	46.4	43.022	141.2	0.2	5	100	98.2	80-120
Potassium	9.8	10	6654	6520.92	16300	0.2	500	10000	97.8	80-120
Selenium	9.8	10	3.3	3.234	98.1	0.2	5	100	94.9	80-120
Silver	9.8	10	1.9	1.862	51.4	0.2	2.5	50	99.1	80-120
Sodium	9.8	10	257400	266952	281500	0.2	500	10000	145.5*(a	80-120
Strontium	9.8	10	240.3	235.494	289.7	0.2	2.5	50	108.4	80-120
Thallium	9.8	10			100.9	0.2	5	100	100.9	80-120
Tin	9.8	10		3.626	51.1	0.2	2.5	50	94.9	80-120
Titanium	9.8	10	18.3	17.934	119.3	0.2	5	100	101.4	80-120
Vanadium	9.8	10	2.4	2.352	51.1	0.2	2.5	50	97.5	80-120
Zinc	9.8	10	423.7	415.226	669.3	0.2	12.5	250	101.6	80-120

Associated samples MP26766: FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7, FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.060	<0.50

Associated samples MP26787: FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14 02/07/14

Metal	FA12080-1 Original	DUP	RPD	QC Limits	FA12080-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	2.3	26.4*(a)	0-20	3.0	5.8	3	93.3	80-120

Associated samples MP26787: FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High RPD indicates possible matrix interference. Aqueous sample contains heavy sediment layer.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	3.0	4.5	3	50.0N(a)	25.2 (a)	20

Associated samples MP26787: FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

8.3.2

8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26787: FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	2.95	2.51	15.1*(a)	0-10

Associated samples MP26787: FA12103-1, FA12103-2, FA12103-3, FA12103-4, FA12103-5, FA12103-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26788 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.11	<0.50

Associated samples MP26788: FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26788 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14 02/07/14

Metal	FA12103-8 Original	DUP	RPD	QC Limits	FA12103-8 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	25.5	25.6	0.4	0-20	25.5	27.5	3	66.7 (a)	80-120

Associated samples MP26788: FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26788 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	FA12103-8 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	25.5	24.7	3	-26.7(a)	10.7	20

Associated samples MP26788: FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.1	3	103.3	80-120

Associated samples MP26788: FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12103
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	FA12103-8 Original	SDL 10:5	%DIF	QC Limits
Mercury	25.5	28.2	10.6*(a)	0-10

Associated samples MP26788: FA12103-8, FA12103-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

8.4.4

8

Southeast
ACCUTEST LABORATORIES

02/19/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita,KS

Accutest Job Number: FA12103R

Sampling Date: 01/30/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **18**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita,KS

Job No: FA12103R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12103-8FR	01/30/14	15:20	BGSK	01/31/14	AQ	Water Filtered	BLD D RM 5A

Summary of Hits

Job Number: FA12103R
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 01/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12103-8FR	**BLD D RM 5A**					
Chromium		158	10		ug/l	SW846 6010C
Cobalt		76.0	50		ug/l	SW846 6010C
Lead		10.4	5.0		ug/l	SW846 6010C

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12103-8FR	**Date Sampled:**	01/30/14
Matrix:	AQ - Water Filtered	**Date Received:**	01/31/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita,KS		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	158	10	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]
Cobalt	76.0	50	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	10.4	5.0	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11403
(2) Prep QC Batch: MP26831

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12103 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: i Si Environmental
Address: 214 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOCs	SVOCs	Metals	Pesticides	Herbicides	Dioxin / Furan
1	Bld D Rm 1A	01/30/14	0920	BG	ww	10		X	X		X					X	X	X	X	X	
2	Bld D Rm 1B	01/30/14	0945	BG	ww	10		X	X		X					X	X	X	X	X	
3	Bld D Rm 2	01/30/14	1045	BG	ww	10		X	X		X					X	X	X	X	X	
4	Bld D Rm 5D	01/30/14	1200	BG	ww	10		X	X		X					X	X	X	X	X	
5	Bld D Rm 5C	01/30/14	1400	BG	ww	10		X	X		X					X	X	X	X	X	
6	Bld D Rms 1A + 1B	01/30/14	1420	BG	ww	2		X													X
7	Bld D Rm 5B	01/30/14	1430	BG	ww	10		X	X		X					X	X	X	X	X	
8	Bld D Rm 5A	01/30/14	1520	BG	ww	10		X	X		X					X	X	X	X	X	
9	Bld D Rms 5A - 5D	01/30/14	1545	BG	ww	2		X													X
10	Dup 1	01/30/14		BG	ww	10		X	X		X					X	X	X	X	X	
11	Trip Blank	01/30/14				3			X							X					

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [X] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	Brady Gerber / SK	01/30/14 1740	2 FX	3 FX	1-31-14	4 J. Conner (ASE) 10:45
5	Relinquished by:	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 10 Cooler Temperature (s) Celsius: 26 2.8 3.0 2.4 3.0 2.8 3.0 2.6 2.6 2.8

FA12103R: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 12 103 CLIENT: ISI ENV PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 1-31-14 10:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 10

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 2630

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.0 3.2 3.4 2.8 3.4 3.2 3.4 3.0 3.0 3.2
- [ ] CORRECTED TEMPS: 2.6 2.8 3.0 2.4 3.0 2.8 3.0 2.6 2.6 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 1-31-14 REVIEWER SIGNATURE/DATE: 01/31/14

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12103R: Chain of Custody

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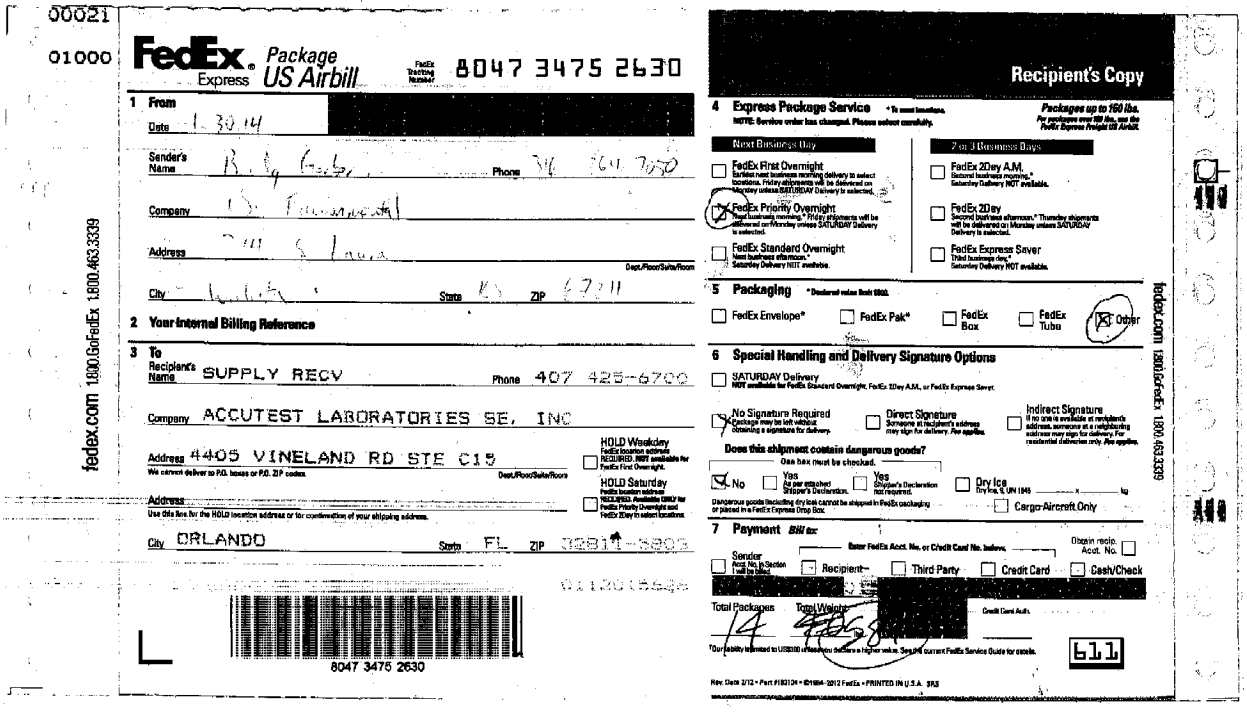

00021
01000

FedEx Express Package US Airbill

FedEx Tracking Number 8047 3475 2630

1 From
Date 1.30.14
Sender's Name B. Ly Phone 407 761 7550
Company D. Fournier
Address 241 S Lane
Dept./Floor/Suite/Room
City Lake Mary State FL ZIP 32746

2 Your Internal Billing Reference

3 To
Recipient's Name SUPPLY RECV Phone 407 425-6700
Company ACCUTEST LABORATORIES SE, INC
Address 4405 VINELAND RD STE C15
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.
HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
Address
Use this line for the HOLD location address or for confirmation of your shipping address.
City ORLANDO State FL ZIP 32811-5205

8047 3475 2630

fedex.com 1.800.GoFedEx 1.800.463.3339

Recipient's Copy

4 Express Package Service
NOTE: Service order has changed. Please select carefully.
Packages up to 150 lbs.
Next Business Day
- FedEx First Overnight
- FedEx Priority Overnight
- FedEx Standard Overnight
2 or 3 Business Days
- FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging
- FedEx Envelope*
- FedEx Pak*
- FedEx Box
- FedEx Tube
- Other

6 Special Handling and Delivery Signature Options
- SATURDAY Delivery
- No Signature Required
- Direct Signature
- Indirect Signature

Does this shipment contain dangerous goods?
One box must be checked.
- No
- Yes As per attached Shipper's Declaration
- Yes Shipper's Declaration not required
- Dry Ice
- Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
Obtain recip. Acct. No.
- Sender
- Recipient
- Third Party
- Credit Card
- Cash/Check

Total Packages 14 Total Weight 611
Credit Card Auth.

611

fedex.com 1.800.GoFedEx 1.800.463.3339

FA12103R: Chain of Custody
Page 3 of 4

Job Change Order: FA12103_2/12/2014

Requested Date:	2/12/2014	**Received Date:**	1/31/2014
Account Name:	ISI Environmental Services	**Due Date:**	2/7/2014
Project	Clean Harbors; KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	7

Sample #:
FA12103-8

BLD D RM 5A

Change: Client would like to have dissolved Chromium, Cobalt and Lead reported. Please use remaining unpreserved volume from organics, client is aware data will be qualified. Thank you.

Above Changes Per: client, Brady Gerber, via e-mail **Date:** 2/12/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

FA12103R: Chain of Custody
Page 4 of 4

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12103R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				02/18/14		02/18/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15				
Antimony	6.0	2	2.3				
Arsenic	10	2	2.4				
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5				
Calcium	1000	50	50				
Chromium	10	1	2	0.0	<10	0.20	<10
Cobalt	50	.5	.5	-0.20	<50	0.0	<50
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1.1	1.1	-1.0	<5.0	-0.70	<5.0
Magnesium	5000	50	56				
Manganese	15	.5	1				
Molybdenum	50	.5	.5				
Nickel	40	.5	.5				
Potassium	10000	200	200				
Selenium	10	2.3	2.3				
Silver	10	.65	.77				
Sodium	10000	500	500				
Strontium	10	.4	.4				
Thallium	10	1.5	2				
Tin	50	.7	1				
Titanium	10	.9	1				
Vanadium	50	.5	.5				
Zinc	20	3	3				

Associated samples MP26831: FA12103-8FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/18/14					02/18/14	
Metal	FA12473-1 Original	DUP	RPD	QC Limits	FA12473-1 Original	MS	Spikelot MPFLICP2 % Rec		QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium									
Calcium	anr								
Chromium									
Cobalt	1.7	1.7	0.0	0-20	1.7	352	500	70.1N(a)	80-120
Copper	anr								
Iron	anr								
Lead	90.6	95.8	5.6	0-20	90.6	607	500	103.3	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

Associated samples MP26831: FA12103-8FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12103R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	FA12473-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium						
Calcium	anr					
Chromium						
Cobalt	1.7	351	500	69.9N(a)	0.3	20
Copper	anr					
Iron	anr					
Lead	90.6	603	500	102.5	0.7	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium	anr					
Thallium	anr					
Tin	anr					
Titanium	anr					
Vanadium	anr					
Zinc	anr					

Associated samples MP26831: FA12103-8FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12103R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	219	200	109.5	80-120
Cobalt	540	500	108.0	80-120
Copper	anr			
Iron	anr			
Lead	516	500	103.2	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP26831: FA12103-8FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12103R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	FA12473-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium				
Calcium	anr			
Chromium				
Cobalt	1.70	0.00	100.0(a)	0-10
Copper	anr			
Iron	anr			
Lead	90.6	92.9	2.5	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP26831: FA12103-8FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12103R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/18/14

Metal	Sample ml	Final ml	FA12473-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt	9.8	10	1.7	1.666	34.3	0.2	2.5	50	65.3*(a)	80-120
Copper										
Iron										
Lead	9.8	10	90.6	88.788	138.1	0.2	2.5	50	98.6	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP26831: FA12103-8FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast
ACCUTEST LABORATORIES

03/03/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita,KS

Accutest Job Number: FA12620

Sampling Date: 02/19/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **107**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; Wichita,KS

Job No: FA12620

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12620-1	02/19/14	11:25	BGSK	02/20/14	AQ	Water	BLD D RM 1A
FA12620-2	02/19/14	11:40	BGSK	02/20/14	AQ	Water	BLD D RM 1B
FA12620-3	02/19/14	14:35	BGSK	02/20/14	AQ	Water	BLD D RM 5A
FA12620-4	02/19/14	00:00	BGSK	02/20/14	AQ	Trip Blank Water	TRIP BLANK
FA12620-5	02/19/14	15:25	BGSK	02/20/14	AQ	Water	BLD D RM 5C
FA12620-6	02/19/14	15:40	BGSK	02/20/14	AQ	Water	BLD D RM 5D
FA12620-7	02/19/14	10:50	BGSK	02/20/14	AQ	Water	BLD D RM 6A
FA12620-8	02/19/14	11:15	BGSK	02/20/14	AQ	Water	BLD D RM 6B
FA12620-9	02/19/14	11:55	BGSK	02/20/14	AQ	Water	BLD D RM 3
FA12620-10	02/19/14	10:20	BGSK	02/20/14	AQ	Water	BLD D RM 4

Summary of Hits

Job Number: FA12620
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/19/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12620-1	**BLD D RM 1A**					
Benzyl Alcohol		23.7	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		29.9	4.8	1.5	ug/l	SW846 8270D
Aroclor 1260 [a]		0.73	0.48	0.19	ug/l	SW846 8082A
Antimony		7.2	6.0		ug/l	SW846 6010C
Cadmium		7.4	5.0		ug/l	SW846 6010C
Chromium		52.7	10		ug/l	SW846 6010C
Copper		42.6	25		ug/l	SW846 6010C
Iron		4550	300		ug/l	SW846 6010C
Lead		215	5.0		ug/l	SW846 6010C
Manganese		174	15		ug/l	SW846 6010C
Mercury		1.4	0.50		ug/l	SW846 7470A
Sodium		124000	40000		ug/l	SW846 6010C
Strontium		287	10		ug/l	SW846 6010C
Titanium		337	10		ug/l	SW846 6010C
Zinc		830	20		ug/l	SW846 6010C
FA12620-2	**BLD D RM 1B**					
Benzyl Alcohol		9.4	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		18.6	4.8	1.5	ug/l	SW846 8270D
Aroclor 1260 [a]		0.32 J	0.49	0.20	ug/l	SW846 8082A
Chromium		31.8	10		ug/l	SW846 6010C
Iron		3970	300		ug/l	SW846 6010C
Lead		124	5.0		ug/l	SW846 6010C
Manganese		185	15		ug/l	SW846 6010C
Mercury		1.0	0.50		ug/l	SW846 7470A
Potassium		12800	10000		ug/l	SW846 6010C
Sodium		115000	40000		ug/l	SW846 6010C
Strontium		300	10		ug/l	SW846 6010C
Titanium		83.0	10		ug/l	SW846 6010C
FA12620-3	**BLD D RM 5A**					
bis(2-Ethylhexyl)phthalate [b]		3.2 J	4.8	1.5	ug/l	SW846 8270D
Antimony		7.3	6.0		ug/l	SW846 6010C
Cadmium		5.3	5.0		ug/l	SW846 6010C
Chromium		160	10		ug/l	SW846 6010C
Iron		3490	300		ug/l	SW846 6010C
Lead		124	5.0		ug/l	SW846 6010C
Manganese		82.4	15		ug/l	SW846 6010C
Mercury		1.6	0.50		ug/l	SW846 7470A
Potassium		23600	10000		ug/l	SW846 6010C
Sodium		2120000	500000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12620
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/19/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Strontium		328	10		ug/l	SW846 6010C
Titanium		68.9	10		ug/l	SW846 6010C
FA12620-4	**TRIP BLANK**					
Toluene		0.24 J	1.0	0.20	ug/l	SW846 8260B
FA12620-5	**BLD D RM 5C**					
2-Methylphenol		1.0 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		1.1 J	4.7	1.1	ug/l	SW846 8270D
Phenol		2.9 J	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		15.9	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		1.7 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		218	19	6.0	ug/l	SW846 8270D
Naphthalene		0.54 J	4.7	0.47	ug/l	SW846 8270D
Chromium		29.9	10		ug/l	SW846 6010C
Iron		969	300		ug/l	SW846 6010C
Lead		41.9	5.0		ug/l	SW846 6010C
Manganese		26.4	15		ug/l	SW846 6010C
Sodium		109000	20000		ug/l	SW846 6010C
Strontium		224	10		ug/l	SW846 6010C
Titanium		12.8	10		ug/l	SW846 6010C
FA12620-6	**BLD D RM 5D**					
2-Methylphenol		0.65 J	4.7	0.47	ug/l	SW846 8270D
Phenol		1.3 J	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		1.6 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		6.3	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.84 J	4.7	0.47	ug/l	SW846 8270D
Iron		328	300		ug/l	SW846 6010C
Lead		13.7	5.0		ug/l	SW846 6010C
Sodium		95100	20000		ug/l	SW846 6010C
Strontium		203	10		ug/l	SW846 6010C
FA12620-7	**BLD D RM 6A**					
2-Chlorophenol		0.99 J	4.7	0.49	ug/l	SW846 8270D
2-Methylphenol		0.67 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		1.2 J	4.7	1.1	ug/l	SW846 8270D
Phenol		8.7	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		2.8 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		53.4	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		2.1 J	4.7	0.94	ug/l	SW846 8270D

Summary of Hits

Job Number: FA12620
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/19/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
bis(2-Ethylhexyl)phthalate	110	9.4	3.0	ug/l	SW846 8270D
Phenanthrene	0.65 J	4.7	0.56	ug/l	SW846 8270D
Aroclor 1260 [a]	0.24 J	0.47	0.19	ug/l	SW846 8082A
Cadmium	16.3	5.0		ug/l	SW846 6010C
Iron	3860	300		ug/l	SW846 6010C
Lead	226	5.0		ug/l	SW846 6010C
Manganese	148	15		ug/l	SW846 6010C
Mercury	2.0	0.50		ug/l	SW846 7470A
Potassium	14600	10000		ug/l	SW846 6010C
Sodium	164000	40000		ug/l	SW846 6010C
Strontium	274	10		ug/l	SW846 6010C
Titanium	35.1	10		ug/l	SW846 6010C
FA12620-8 BLD D RM 6B					
Benzyl Alcohol	11.8	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	54.8	4.8	1.5	ug/l	SW846 8270D
Cadmium	5.5	5.0		ug/l	SW846 6010C
Chromium	53.6	10		ug/l	SW846 6010C
Iron	3810	300		ug/l	SW846 6010C
Lead	171	5.0		ug/l	SW846 6010C
Manganese	95.8	15		ug/l	SW846 6010C
Mercury	1.0	0.50		ug/l	SW846 7470A
Sodium	114000	20000		ug/l	SW846 6010C
Strontium	226	10		ug/l	SW846 6010C
Titanium	27.5	10		ug/l	SW846 6010C
FA12620-9 BLD D RM 3					
Benzoic Acid	28.3 J	48	9.5	ug/l	SW846 8270D
2,4-Dimethylphenol	0.77 J	4.8	0.48	ug/l	SW846 8270D
Phenol	0.90 J	4.8	0.48	ug/l	SW846 8270D
Butyl benzyl phthalate	5.4	4.8	0.77	ug/l	SW846 8270D
Benzyl Alcohol	1.1 J	4.8	0.95	ug/l	SW846 8270D
Di-n-butyl phthalate	0.97 J	4.8	0.95	ug/l	SW846 8270D
Dimethyl phthalate	1.0 J	4.8	0.60	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	91.9	4.8	1.5	ug/l	SW846 8270D
Aroclor 1260 [a]	2.1	0.48	0.19	ug/l	SW846 8082A
Cadmium	6.9	5.0		ug/l	SW846 6010C
Chromium	154	10		ug/l	SW846 6010C
Iron	3760	300		ug/l	SW846 6010C
Lead	421	5.0		ug/l	SW846 6010C
Manganese	104	15		ug/l	SW846 6010C
Mercury	5.5	1.0		ug/l	SW846 7470A
Potassium	13800	10000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12620
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/19/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		107000	20000		ug/l	SW846 6010C
Strontium		285	10		ug/l	SW846 6010C
Titanium		77.6	10		ug/l	SW846 6010C
FA12620-10	**BLD D RM 4**					
Benzoic Acid		26.1 J	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		2.4 J	4.7	0.49	ug/l	SW846 8270D
3&4-Methylphenol		2.6 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		1.0 J	4.7	0.56	ug/l	SW846 8270D
Benzyl Alcohol		1.9 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		37.3	4.7	1.5	ug/l	SW846 8270D
Antimony		10.1	6.0		ug/l	SW846 6010C
Cadmium		16.2	5.0		ug/l	SW846 6010C
Chromium		370	10		ug/l	SW846 6010C
Iron		2260	300		ug/l	SW846 6010C
Lead		753	5.0		ug/l	SW846 6010C
Manganese		218	15		ug/l	SW846 6010C
Mercury		4.6	0.50		ug/l	SW846 7470A
Potassium		19800	10000		ug/l	SW846 6010C
Sodium		178000	40000		ug/l	SW846 6010C
Strontium		280	10		ug/l	SW846 6010C
Titanium		48.1	10		ug/l	SW846 6010C

(a) All hits confirmed by dual column analysis.
(b) Confirmed by re-extraction and reanalysis.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12620-1	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677000.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	48	9.5	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
100-51-6	Benzyl Alcohol	23.7	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	29.9	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	22%		10-50%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	71%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12620-1	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61862.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
5103-71-9	alpha-Chlordane	ND	0.048	0.0048	ug/l	
5103-74-2	gamma-Chlordane	ND	0.048	0.0048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		42-127%
2051-24-3	Decachlorobiphenyl	38%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1A		
Lab Sample ID:	FA12620-1	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124415.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.48	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.48	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.48	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.48	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.48	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.48	0.19	ug/l	
11096-82-5	Aroclor 1260	0.73	0.48	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		38-127%
2051-24-3	Decachlorobiphenyl	43%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1A
Lab Sample ID: FA12620-1
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	7.2	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	7.4	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	52.7	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Copper	42.6	25	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	4550	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	215	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	174	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	1.4	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Sodium	124000	40000	ug/l	4	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	287	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	337	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Zinc	830	20	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID: BLD D RM 1B
Lab Sample ID: FA12620-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677001.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	48	9.5	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
100-51-6	Benzyl Alcohol	9.4	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	18.6	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	88%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1B		
Lab Sample ID:	FA12620-2	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61863.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
5103-71-9	alpha-Chlordane	ND	0.049	0.0049	ug/l	
5103-74-2	gamma-Chlordane	ND	0.049	0.0049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		42-127%
2051-24-3	Decachlorobiphenyl	51%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 1B		
Lab Sample ID:	FA12620-2	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124416.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.49	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.49	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.49	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.49	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.49	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.49	0.20	ug/l	
11096-82-5	Aroclor 1260	0.32	0.49	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		38-127%
2051-24-3	Decachlorobiphenyl	54%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 1B
Lab Sample ID: FA12620-2
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	31.8	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	3970	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	124	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	185	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	1.0	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	12800	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	115000	40000	ug/l	4	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	300	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	83.0	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12620-3	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0677002.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2 [b]	X033471.D	1	02/27/14	FS	02/26/14	OP50612	SX1575

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1040 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	48	9.5	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.2	4.8	1.5	ug/l	J
90-12-0	1-Methylnaphthalene	ND	4.8	0.48	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	5% [c]	6%	14-67%
4165-62-2	Phenol-d5	4% [c]	5%	10-50%
118-79-6	2,4,6-Tribromophenol	6% [c]	5%	33-118%
4165-60-0	Nitrobenzene-d5	11% [c]	5%	42-108%
321-60-8	2-Fluorobiphenyl	6% [c]	2%	40-106%
1718-51-0	Terphenyl-d14	3% [c]	1%	39-121%

(a) Confirmed by re-extraction and reanalysis.
(b) Confirmation run for surrogate recoveries.
(c) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5A		
Lab Sample ID:	FA12620-3	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124417.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	5.0	2.0	ug/l	
11104-28-2	Aroclor 1221	ND	5.0	2.5	ug/l	
11141-16-5	Aroclor 1232	ND	5.0	2.5	ug/l	
53469-21-9	Aroclor 1242	ND	5.0	2.0	ug/l	
12672-29-6	Aroclor 1248	ND	5.0	2.0	ug/l	
11097-69-1	Aroclor 1254	ND	5.0	2.0	ug/l	
11096-82-5	Aroclor 1260	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	14% [b]		38-127%
2051-24-3	Decachlorobiphenyl	0% [b]		25-137%

(a) Elevated reporting limit due to matrix interference, dilution required during sample prep.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5A
Lab Sample ID: FA12620-3
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	7.3	6.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	5.3	5.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	160	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	3490	300	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	124	5.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	82.4	15	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	1.6	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	23600	10000	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	2120000	500000	ug/l	50	02/21/14	02/25/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	328	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	68.9	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11415
(3) Instrument QC Batch: MA11418
(4) Prep QC Batch: MP26859
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12620-4	**Date Sampled:**	02/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18431.D	1	02/25/14	WV	n/a	n/a	VI312
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12620-4	**Date Sampled:**	02/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.24	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12620-4	**Date Sampled:**	02/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12620-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677003.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2	L0677028.D	4	02/25/14	NAF	02/21/14	OP50557	SL3408

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	1.0	4.7	0.47	ug/l	J
	3&4-Methylphenol	1.1	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	2.9	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	15.9	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5C
Lab Sample ID: FA12620-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	1.7	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	218 [a]	19	6.0	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.54	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%	32%	14-67%
4165-62-2	Phenol-d5	20%	21%	10-50%
118-79-6	2,4,6-Tribromophenol	88%	79%	33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5C		
Lab Sample ID:	FA12620-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%	68%	42-108%
321-60-8	2-Fluorobiphenyl	64%	73%	40-106%
1718-51-0	Terphenyl-d14	74%	77%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5C
Lab Sample ID: FA12620-5
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	29.9	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	969	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	41.9	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	26.4	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	109000	20000	ug/l	2	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	224	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	12.8	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12620-6	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677004.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.65	4.7	0.47	ug/l	J
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	1.3	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	1.6	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5D
Lab Sample ID: FA12620-6
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	6.3	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	0.84	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	88%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5D		
Lab Sample ID:	FA12620-6	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	81%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5D
Lab Sample ID: FA12620-6
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	328	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	13.7	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	95100	20000	ug/l	2	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	203	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID: BLD D RM 6A
Lab Sample ID: FA12620-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677005.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2	L0677030.D	2	02/25/14	NAF	02/21/14	OP50557	SL3408

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	0.99	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.67	4.7	0.47	ug/l	J
	3&4-Methylphenol	1.2	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	8.7	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	2.8	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	53.4	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6A
Lab Sample ID: FA12620-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	2.1	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	110 [a]	9.4	3.0	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	0.65	4.7	0.56	ug/l	J
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	33%	14-67%
4165-62-2	Phenol-d5	23%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	81%	78%	33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12620-7	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%	69%	42-108%
321-60-8	2-Fluorobiphenyl	68%	72%	40-106%
1718-51-0	Terphenyl-d14	49%	47%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12620-7	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124418.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2 [b]	ST124515.D	1	02/27/14	MV	02/26/14	OP50628	GST2958

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2	1060 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.24	0.47	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%	63%	38-127%
2051-24-3	Decachlorobiphenyl	17% [c]	10%	25-137%

(a) All hits confirmed by dual column analysis.
(b) Confirmation run for surrogate recoveries.
(c) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6A
Lab Sample ID: FA12620-7
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Cadmium	16.3	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	3860	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	226	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	148	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	2.0	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	14600	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	164000	40000	ug/l	4	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	274	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	35.1	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12620-8	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677006.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	48	9.5	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
100-51-6	Benzyl Alcohol	11.8	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	54.8	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	88%		33-118%
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	68%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12620-8	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61864.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
5103-71-9	alpha-Chlordane	ND	0.048	0.0048	ug/l	
5103-74-2	gamma-Chlordane	ND	0.048	0.0048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		42-127%
2051-24-3	Decachlorobiphenyl	39%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12620-8	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124419.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.48	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.48	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.48	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.48	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.48	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.48	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.48	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		38-127%
2051-24-3	Decachlorobiphenyl	45%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6B
Lab Sample ID: FA12620-8
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	5.5	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	53.6	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	3810	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	171	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	95.8	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	1.0	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	114000	20000	ug/l	2	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	226	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	27.5	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12620-9	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677031.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	28.3	48	9.5	ug/l	J
95-57-8	2-Chlorophenol	ND	4.8	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.48	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.55	ug/l	
105-67-9	2,4-Dimethylphenol	0.77	4.8	0.48	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.48	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.8	ug/l	
108-95-2	Phenol	0.90	4.8	0.48	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.8	0.93	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.53	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.48	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.48	ug/l	
120-12-7	Anthracene	ND	4.8	0.59	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.68	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.77	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.49	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.64	ug/l	
85-68-7	Butyl benzyl phthalate	5.4	4.8	0.77	ug/l	
100-51-6	Benzyl Alcohol	1.1	4.8	0.95	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.8	0.53	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.48	ug/l	
86-74-8	Carbazole	ND	4.8	0.59	ug/l	
218-01-9	Chrysene	ND	4.8	0.69	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.66	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 3
Lab Sample ID: FA12620-9
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.48	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.48	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.48	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.60	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.8	0.86	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	0.97	4.8	0.95	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.8	0.95	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	0.95	ug/l	
131-11-3	Dimethyl phthalate	1.0	4.8	0.60	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	91.9	4.8	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.67	ug/l	
86-73-7	Fluorene	ND	4.8	0.48	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.63	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	0.95	ug/l	
67-72-1	Hexachloroethane	ND	4.8	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.60	ug/l	
78-59-1	Isophorone	ND	4.8	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.51	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.58	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.72	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.48	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.51	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.57	ug/l	
129-00-0	Pyrene	ND	4.8	0.78	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		14-67%
4165-62-2	Phenol-d5	24%		10-50%
118-79-6	2,4,6-Tribromophenol	94%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12620-9	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12620-9	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124420.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2 [b]	ST124516.D	1	02/27/14	MV	02/26/14	OP50628	GST2958

	Initial Volume	Final Volume
Run #1	1050 ml	10.0 ml
Run #2	1060 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.48	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.48	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.48	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.48	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.48	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.48	0.19	ug/l	
11096-82-5	Aroclor 1260	2.1	0.48	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	87%	38-127%
2051-24-3	Decachlorobiphenyl	16% [c]	15%	25-137%

(a) All hits confirmed by dual column analysis.
(b) Confirmation run for surrogate recoveries.
(c) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 3
Lab Sample ID: FA12620-9
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	6.9	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	154	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	3760	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	421	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	104	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	5.5	1.0	ug/l	2	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	13800	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	107000	20000	ug/l	2	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	285	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	77.6	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID: BLD D RM 4
Lab Sample ID: FA12620-10
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033444.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	26.1	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	2.4	4.7	0.49	ug/l	J
	3&4-Methylphenol	2.6	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	1.0	4.7	0.56	ug/l	J
100-51-6	Benzyl Alcohol	1.9	4.7	0.94	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	37.3	4.7	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		14-67%
4165-62-2	Phenol-d5	19%		10-50%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	47%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12620-10	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124421.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2 [a]	ST124517.D	1	02/27/14	MV	02/26/14	OP50628	GST2958

	Initial Volume	Final Volume
Run #1	1040 ml	10.0 ml
Run #2	1040 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.48	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.48	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.48	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.48	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.48	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.48	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.48	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%	63%	38-127%
2051-24-3	Decachlorobiphenyl	7% [b]	8%	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 4
Lab Sample ID: FA12620-10
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	10.1	6.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	16.2	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	370	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	2260	300	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	753	5.0	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	218	15	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	4.6	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	19800	10000	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	178000	40000	ug/l	4	02/21/14	02/24/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	280	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	48.1	10	ug/l	1	02/21/14	02/21/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11414
(3) Instrument QC Batch: MA11415
(4) Prep QC Batch: MP26857
(5) Prep QC Batch: MP26861

RL = Reporting Limit

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

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Chain of Custody

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Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: JSI Environmental
Address: 215 S. Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerke E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerke / Shaat Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	Sampled By:	Matrix	Total # of Bottles	Container Information	Benzo(a)pyrene/3244 MOD/Acid	2-4-6-Trichlorophenol/4-Nitrophenol	Benzo(a)Anthracene/Benzo(b)fluoranthene/Benzo(k)fluoranthene	alpha-Chlordane/gamma-Chlordane	Aroclor 1260	Antimony/Arsenic/Barium	Cadmium/Chromium/Lead/Nickel	Copper/Iron/Lead/Manganese	Mercury/Selenium/Strontium	Thallium/Vanadium/Zinc	Matrix Codes / LAB USE ONLY
1	Bld D Rm 1A	2-19-14	1125	BG	WW	5	X	X	X	X	X	X	X	X	X	X	X	

Container Information: OTHER | HCl | HNO3 | H2SO4 | NaOH+ZnAc | DI WATER | MECH

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	Brady Gerke	2-19-14 / 1700	2	3	02-20-14 930	4
5	Relinquished by:	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 3.0 2.4 2.6 2.2 2.8

4.1 4

FA12620: Chain of Custody
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www.accutest.com

Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: Si Environmental
Address: 215 S Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Shaft Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZINC	DI WATER	NaOH	Benzoic Acid / 3,4 Methyl phenol	2-nitrophenol	Sesqui / Alkalinity	613 (CCl4/Hexane) pH Adjustable	alpha-chlordane/gamma-chlordane	Aroclor 1260	Antimony / Arsenic	Cadmium / Chromium / Cobalt	Iron / Lead / Manganese	Mercury / Potassium / Selenium	Strontium / Titanium	LAB USE ONLY
2	Bld D Rm 1B	2-19-14	1140	BG	WW	5		X			X					X	X	X	X	X	X	X	X	X	X	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-19-14 1700	2 FED	3 FED 02/20/14	0930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1.4

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Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: JSI Environmental
Address: 215 S. Lane
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gresser E-mail:
Phone#: 316-264-7090
Sampler(s) Name(s) (Printed): Brady Gresser / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	Acrolein / Methyl Tert-butyl ether	Benzene / Methyl acetate	2-Nitrophenol / 4-Nitrophenol	Carbazole / Isobutanol	Acrylonitrile / Methacrylonitrile	1,2-Dichloroethane-D4 / Toluene-D8	1-Methylnaphthalene / Naphthalene	Acrolein 1760	Anthracene / Arsenic / Aniline	Chromium / Gold / Hexachlorocyclopentadiene / Lead	Manganese / Nitrobenzene-D5 / Strontium	Mercury / Selenium / Titanium	VOC's	LAB USE ONLY
3	Bld A Rm 5A	2-19-14	1435	BG	WW	8	NONE: X; HCl: X; NaOH: X; ZnAc: X	X	X	X	X	X	X	X	X	X	X	X	X		
4	Trip Blank																			X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code: 5-7 dy Rush

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	2-19-14/1745	2	3	02-20-14 930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12620: Chain of Custody
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Accutest JOB # FA12620

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: Isi Environmental
Address: 215 S Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	Naphthalene	Benzoic Acid / 3+4 Methyl phenol	2-Nitrophenol / 4-Nitrophenol	Acenaphthylene / Benzyl Alcohol	bis (2Eth/hexyl) phthalate	Isophrone	Antimony / Arsenic / Cadmium	Chromium / Cobalt / Iron / Lead	Manganese / Mercury / Potassium	Sodium / Strontium / Titanium	VOCs	LAB USE ONLY
5	Bld D Rm 5C	2-19-14	1525	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X	X	X		
	Trip Blank								X																	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-19-14/1700	2 FY	3 FY 02-2014	930	4 [signature]
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12620: Chain of Custody
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Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: JS Environmental
Address: 215 S. Lorraine
City: Wichita State: KS Zip: 67211
Project Contact: E-mail:
Phone#:
Sampler(s) Name(s) (Printed):

Project Information

Project Name:
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection: DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	Container Information: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Analytical Information: Alcalin./Weight/Turbidity	Acidity/Methyl Orange/Phenol	Bromide/Acid/SM4	2-chloroethyl/4-bromofluoro	Barium/Metals	Chloride/(Sulfate)/Nitrate/Nitrite	Ammonia/Nitrogen	Cadmium/(Chromium)/(Cobalt)	Iron/Lead/Manganese	Mercury/Potassium/Selenium	Strontium/Tin/Vanadium	VOCs	Matrix Codes
b	Bld A Rm 5D	2-19-14	1540	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X	X	X	X		
	Trip Blank																										X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [X] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	02-19-14 1730	2	3	02-20-14 930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12620: Chain of Custody
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Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Lawa
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Acrolein/Naphthalene	3+4 Methylphenol	Acenaphthylene/Benzo/Alcohol	bis(2-Ethylhexyl)phthalate	1-Methylnaphthalene/Naphthalene	Phenanthrene/Aroclor 1260	Cadmium/Iron/Lead	Manganese/Mercury	Potassium/Sodium	Strontium/Titanium	VOC's	LAB USE ONLY
7	Bld D Rm 6A	2-19-14	1050	BG	WW	8		X	X		X					X	X	X	X	X	X	X	X	X	X		
	Trip Blank								X																	X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH — 5-7 day Rush
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-19-14 / 1700	2 FX	3 FX 02-20-14	9:30	4 RWill
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12620: Chain of Custody
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Chain of Custody

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www.accutest.com

Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: SI Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Garber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Garber / Steve Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	Benzaz Acids (SW1 Methods)	2-Nitrophenol/Phenol/Methylphenol	Methyl Phenol	6,3 (2,6)Dinitrotoluene	1-Methylnaphthalene	Phenanthrene	alpha-Chlordane / Aroclor 1260	Antimony / Arsenic / Cadmium	Chromium / Cobalt / Iron	Lead / Manganese / Mercury	Nickel / Selenium / Silver / Thallium	Matrix Codes
4	Bld D Rm 6B	2-19-14	1115	BG	WW	5		X			X					X	X	X	X	X	X	X	X	X	X	X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Garber	2-19-14 / 1700	2 FX	3 FX 02-20-14	930	4 RW
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

FA12620: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: JSI Environmental
Address: 215 S. Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Strat Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	H2SO4	HNO3	NAOH-ZNAC	DI WATER	MEOH	3+4 Methylphenol	Butyl Alcohol	bis(2-Ethylhexyl) phthalate	N-Nitroso-di-n-propylamine	Aroclor 1260	Antimony / Arsenic / Selenium	Chromium / Cobalt / Iron	Lead / Manganese	Mercury / Potassium	Sodium / Strontium	Titanium	Matrix Codes / LAB USE ONLY
9	Bld D Rm 3	2-19-14	1155	BG	WW	5		X			X				X	X	X	X	X	X	X	X	X	X	X	

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code: 5-7 dy Rush

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-19-14 1700	2 FP	3 FP 02 20 14	930	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12620: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12620 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZnAc	DI WATER	MEOH	Benzoic Acid/2-Chlorophenol	3+4 Methylphenol/2-Nitrophenol	Benzyl Alcohol	bis(2Ethylhexyl) phthalate	Aroclor 1260	Antimony/Cadmium	Chromium/Cobalt	Iron/Lead/Manganese	Mercury/Potassium	Sodium/Strontium	Titanium
10	Bld D Rm 4	2-19-14	1020	BG	WW	5		X			X					X	X	X	X	X	X	X	X	X	X	X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Leblink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady G	2-19-14 / 1700	2 FX	3 FX 02-20-14	930	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12620: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12620 CLIENT: ISI PROJECT: Clean Harbors

DATE/TIME RECEIVED: 02-20-14 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 5

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7979 7414 7032/2043/7054/7065/7076

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 5.4 2.8 3.0 2.6 3.2
- [ ] CORRECTED TEMPS: 3.0, 2.4, 2.6 2.2 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: Received 1 Trip Blank only

TECHNICIAN SIGNATURE/DATE: R Will 02-20-14 REVIEWER SIGNATURE/DATE: JC 2.20.14

NF 12/10

receipt confirmation 122910.xls

FA12620: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI312-MB	I18423.D	1	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI312-MB	I18423.D	1	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI312-MB	I18423.D	1	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI312-BS	I18422.D	1	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	89.6	72	50-147
107-02-8	Acrolein	125	130	104	31-154
107-13-1	Acrylonitrile	125	132	106	58-126
71-43-2	Benzene	25	26.3	105	81-122
108-86-1	Bromobenzene	25	24.0	96	80-121
74-97-5	Bromochloromethane	25	22.3	89	76-123
75-27-4	Bromodichloromethane	25	25.2	101	79-123
75-25-2	Bromoform	25	23.0	92	66-123
104-51-8	n-Butylbenzene	25	27.0	108	79-126
135-98-8	sec-Butylbenzene	25	29.6	118	83-133
98-06-6	tert-Butylbenzene	25	27.2	109	80-133
108-90-7	Chlorobenzene	25	26.4	106	82-124
75-00-3	Chloroethane	25	27.0	108	62-144
67-66-3	Chloroform	25	24.5	98	80-124
95-49-8	o-Chlorotoluene	25	26.7	107	81-127
106-43-4	p-Chlorotoluene	25	27.7	111	83-130
110-75-8	2-Chloroethyl vinyl ether	125	198	158*	56-122
75-15-0	Carbon disulfide	25	22.3	89	66-148
56-23-5	Carbon tetrachloride	25	27.1	108	76-136
75-34-3	1,1-Dichloroethane	25	27.7	111	81-122
75-35-4	1,1-Dichloroethylene	25	28.0	112	78-137
563-58-6	1,1-Dichloropropene	25	28.8	115	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.6	102	64-123
106-93-4	1,2-Dibromoethane	25	23.8	95	75-120
107-06-2	1,2-Dichloroethane	25	23.8	95	75-125
78-87-5	1,2-Dichloropropane	25	27.4	110	76-124
142-28-9	1,3-Dichloropropane	25	25.2	101	80-118
594-20-7	2,2-Dichloropropane	25	28.2	113	74-139
124-48-1	Dibromochloromethane	25	25.1	100	78-122
75-71-8	Dichlorodifluoromethane	25	34.2	137	42-167
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	78-120
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	75-118
541-73-1	m-Dichlorobenzene	25	27.4	110	84-125
95-50-1	o-Dichlorobenzene	25	26.2	105	82-124
106-46-7	p-Dichlorobenzene	25	24.7	99	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.1	108	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI312-BS	I18422.D	1	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.9	112	80-120
100-41-4	Ethylbenzene	25	25.7	103	81-121
591-78-6	2-Hexanone	125	122	98	61-129
87-68-3	Hexachlorobutadiene	25	30.1	120	75-142
98-82-8	Isopropylbenzene	25	28.9	116	83-132
99-87-6	p-Isopropyltoluene	25	28.6	114	79-130
108-10-1	4-Methyl-2-pentanone	125	130	104	66-122
74-83-9	Methyl bromide	25	28.4	114	59-143
74-87-3	Methyl chloride	25	37.9	152	50-159
74-95-3	Methylene bromide	25	22.7	91	78-119
75-09-2	Methylene chloride	25	27.1	108	69-135
78-93-3	Methyl ethyl ketone	125	108	86	56-143
1634-04-4	Methyl Tert Butyl Ether	25	21.1	84	72-117
91-20-3	Naphthalene	25	23.9	96	63-132
103-65-1	n-Propylbenzene	25	28.9	116	82-133
100-42-5	Styrene	25	25.4	102	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.8	103	77-122
71-55-6	1,1,1-Trichloroethane	25	26.2	105	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	72-120
79-00-5	1,1,2-Trichloroethane	25	25.0	100	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.2	109	68-131
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.5	106	73-129
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.3	97	79-120
127-18-4	Tetrachloroethylene	25	26.8	107	76-135
108-88-3	Toluene	25	25.4	102	80-120
79-01-6	Trichloroethylene	25	25.4	102	81-126
75-69-4	Trichlorofluoromethane	25	26.4	106	71-156
75-01-4	Vinyl chloride	25	30.9	124	69-159
108-05-4	Vinyl Acetate	125	225	180*	43-154
	m,p-Xylene	50	53.1	106	79-126
95-47-6	o-Xylene	25	26.9	108	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI312-BS	I18422.D	1	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	94%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12638-4MS	I18443.D	5	02/25/14	WV	n/a	n/a	VI312
FA12638-4MSD	I18444.D	5	02/25/14	WV	n/a	n/a	VI312
FA12638-4	I18435.D	1	02/25/14	WV	n/a	n/a	VI312
FA12638-4	I18445.D	5	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Compound	FA12638-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	625	372	60	378	60	2	50-147/21
107-02-8	Acrolein	20	U	625	656	105	584	93	12	31-154/29
107-13-1	Acrylonitrile	10	U	625	639	102	635	102	1	58-126/16
71-43-2	Benzene	1.0	U	125	127	102	121	97	5	81-122/14
108-86-1	Bromobenzene	1.0	U	125	118	94	113	90	4	80-121/14
74-97-5	Bromochloromethane	1.0	U	125	109	87	106	85	3	76-123/14
75-27-4	Bromodichloromethane	1.0	U	125	122	98	111	89	9	79-123/19
75-25-2	Bromoform	1.0	U	125	99.0	79	92.7	74	7	66-123/21
104-51-8	n-Butylbenzene	1.0	U	125	127	102	123	98	3	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	125	143	114	137	110	4	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	125	132	106	126	101	5	80-133/16
108-90-7	Chlorobenzene	1.0	U	125	127	102	123	98	3	82-124/14
75-00-3	Chloroethane	2.0	U	125	116	93	110	88	5	62-144/20
67-66-3	Chloroform	1.0	U	125	119	95	115	92	3	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	125	130	104	123	98	6	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	125	134	107	129	103	4	83-130/15
110-75-8	2-Chloroethyl vinyl ether	5.0	U	625	ND	0*	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	2.0	U	125	86.9	70	74.5	60*	15	66-148/23
56-23-5	Carbon tetrachloride	1.0	U	125	125	100	112	90	11	76-136/23
75-34-3	1,1-Dichloroethane	1.0	U	125	134	107	131	105	2	81-122/15
75-35-4	1,1-Dichloroethylene	5.8		125	136	104	128	98	6	78-137/18
563-58-6	1,1-Dichloropropene	1.0	U	125	136	109	132	106	3	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	125	122	98	118	94	3	64-123/18
106-93-4	1,2-Dibromoethane	1.0	U	125	114	91	113	90	1	75-120/13
107-06-2	1,2-Dichloroethane	1.0	U	125	121	97	117	94	3	75-125/14
78-87-5	1,2-Dichloropropane	1.0	U	125	136	109	132	106	3	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	125	122	98	122	98	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	125	126	101	118	94	7	74-139/17
124-48-1	Dibromochloromethane	1.0	U	125	114	91	106	85	7	78-122/19
75-71-8	Dichlorodifluoromethane	2.0	U	125	149	119	146	117	2	42-167/19
156-59-2	cis-1,2-Dichloroethylene	1.0	U	125	115	92	113	90	2	78-120/15
10061-01-5	cis-1,3-Dichloropropene	1.0	U	125	113	90	104	83	8	75-118/23
541-73-1	m-Dichlorobenzene	1.0	U	125	134	107	129	103	4	84-125/14
95-50-1	o-Dichlorobenzene	1.0	U	125	131	105	128	102	2	82-124/14
106-46-7	p-Dichlorobenzene	1.0	U	125	122	98	115	92	6	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	125	129	103	123	98	5	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12638-4MS	I18443.D	5	02/25/14	WV	n/a	n/a	VI312
FA12638-4MSD	I18444.D	5	02/25/14	WV	n/a	n/a	VI312
FA12638-4	I18435.D	1	02/25/14	WV	n/a	n/a	VI312
FA12638-4	I18445.D	5	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Compound	FA12638-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	1.0 U		125	126	101	118	94	7	80-120/22
100-41-4	Ethylbenzene	1.0 U		125	124	99	119	95	4	81-121/14
591-78-6	2-Hexanone	10 U		625	582	93	598	96	3	61-129/18
87-68-3	Hexachlorobutadiene	2.0 U		125	138	110	136	109	1	75-142/19
98-82-8	Isopropylbenzene	1.0 U		125	138	110	132	106	4	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		125	136	109	129	103	5	79-130/16
108-10-1	4-Methyl-2-pentanone	5.0 U		625	641	103	656	105	2	66-122/16
74-83-9	Methyl bromide	2.0 U		125	120	96	122	98	2	59-143/19
74-87-3	Methyl chloride	2.0 U		125	166	133	170	136	2	50-159/19
74-95-3	Methylene bromide	2.0 U		125	114	91	113	90	1	78-119/14
75-09-2	Methylene chloride	5.0 U		125	131	105	126	101	4	69-135/16
78-93-3	Methyl ethyl ketone	5.0 U		625	506	81	521	83	3	56-143/18
1634-04-4	Methyl Tert Butyl Ether	1.0 U		125	96.1	77	97.0	78	1	72-117/14
91-20-3	Naphthalene	5.0 U		125	116	93	120	96	3	63-132/25
103-65-1	n-Propylbenzene	1.0 U		125	141	113	134	107	5	82-133/15
100-42-5	Styrene	1.0 U		125	121	97	116	93	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		125	124	99	118	94	5	77-122/19
71-55-6	1,1,1-Trichloroethane	1.0 U		125	123	98	119	95	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		125	124	99	122	98	2	72-120/14
79-00-5	1,1,2-Trichloroethane	1.0 U		125	122	98	122	98	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	1.0 U		125	129	103	132	106	2	68-131/25
96-18-4	1,2,3-Trichloropropane	2.0 U		125	113	90	109	87	4	77-120/16
120-82-1	1,2,4-Trichlorobenzene	1.0 U		125	123	98	126	101	2	73-129/20
95-63-6	1,2,4-Trimethylbenzene	2.0 U		125	123	98	117	94	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	2.0 U		125	118	94	111	89	6	79-120/19
127-18-4	Tetrachloroethylene	1.0 U		125	122	98	119	95	2	76-135/16
108-88-3	Toluene	152 [a]		125	267	92	258	85	3	80-120/14
79-01-6	Trichloroethylene	1.0 U		125	127	102	124	99	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		125	126	101	117	94	7	71-156/21
75-01-4	Vinyl chloride	1.0 U		125	130	104	129	103	1	69-159/18
108-05-4	Vinyl Acetate	10 U		625	1140	182*	1140	182*	0	43-154/14
	m,p-Xylene	2.0 U		250	252	101	243	97	4	79-126/15
95-47-6	o-Xylene	1.0 U		125	130	104	125	100	4	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12638-4MS	I18443.D	5	02/25/14	WV	n/a	n/a	VI312
FA12638-4MSD	I18444.D	5	02/25/14	WV	n/a	n/a	VI312
FA12638-4	I18435.D	1	02/25/14	WV	n/a	n/a	VI312
FA12638-4	I18445.D	5	02/25/14	WV	n/a	n/a	VI312

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12620-4

CAS No.	Surrogate Recoveries	MS	MSD	FA12638-4	FA12638-4	Limits
1868-53-7	Dibromofluoromethane	101%	99%	101%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	103%	101%	79-125%
2037-26-5	Toluene-D8	94%	94%	97%	98%	85-112%
460-00-4	4-Bromofluorobenzene	97%	95%	100%	98%	83-118%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	14-67%

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	36%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MB	X033435.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-10

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	14-67%
4165-62-2	Phenol-d5	34%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	33-118%
4165-60-0	Nitrobenzene-d5	69%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	91%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	22.0	22	10-69
95-57-8	2-Chlorophenol	50	35.4	71	52-98
59-50-7	4-Chloro-3-methyl phenol	50	35.7	71	54-103
120-83-2	2,4-Dichlorophenol	50	35.6	71	53-103
105-67-9	2,4-Dimethylphenol	50	32.0	64	43-90
51-28-5	2,4-Dinitrophenol	100	83.6	84	44-112
534-52-1	4,6-Dinitro-o-cresol	100	99.9	100	66-121
95-48-7	2-Methylphenol	50	34.4	69	43-90
	3&4-Methylphenol	100	63.9	64	36-88
88-75-5	2-Nitrophenol	50	36.0	72	53-102
100-02-7	4-Nitrophenol	100	38.1	38	18-62
87-86-5	Pentachlorophenol	100	95.2	95	61-115
108-95-2	Phenol	50	20.4	41	19-56
95-95-4	2,4,5-Trichlorophenol	50	41.4	83	62-109
88-06-2	2,4,6-Trichlorophenol	50	42.9	86	59-107
83-32-9	Acenaphthene	50	40.3	81	61-107
208-96-8	Acenaphthylene	50	40.7	81	60-104
120-12-7	Anthracene	50	41.2	82	65-108
56-55-3	Benzo(a)anthracene	50	41.4	83	66-111
50-32-8	Benzo(a)pyrene	50	39.7	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.5	83	65-114
191-24-2	Benzo(g,h,i)perylene	50	41.0	82	66-116
207-08-9	Benzo(k)fluoranthene	50	38.7	77	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.8	70	65-109
85-68-7	Butyl benzyl phthalate	50	42.4	85	65-112
100-51-6	Benzyl Alcohol	50	40.2	80	46-94
91-58-7	2-Chloronaphthalene	50	38.7	77	57-103
106-47-8	4-Chloroaniline	50	35.3	71	49-105
86-74-8	Carbazole	50	42.0	84	59-113
218-01-9	Chrysene	50	44.1	88	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	36.4	73	51-102
111-44-4	bis(2-Chloroethyl)ether	50	37.2	74	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	38.4	77	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.8	76	62-105
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
541-73-1	1,3-Dichlorobenzene	50	33.1	66	45-95

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	35.5	71	45-98
121-14-2	2,4-Dinitrotoluene	50	40.7	81	61-110
606-20-2	2,6-Dinitrotoluene	50	39.1	78	63-108
91-94-1	3,3'-Dichlorobenzidine	50	38.9	78	46-117
53-70-3	Dibenzo(a,h)anthracene	50	40.4	81	66-119
132-64-9	Dibenzofuran	50	40.3	81	61-106
84-74-2	Di-n-butyl phthalate	50	41.2	82	65-107
117-84-0	Di-n-octyl phthalate	50	39.9	80	62-118
84-66-2	Diethyl phthalate	50	38.9	78	64-108
131-11-3	Dimethyl phthalate	50	40.5	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.6	85	61-117
206-44-0	Fluoranthene	50	40.6	81	63-106
86-73-7	Fluorene	50	40.9	82	62-108
118-74-1	Hexachlorobenzene	50	40.8	82	63-108
87-68-3	Hexachlorobutadiene	50	31.5	63	42-102
77-47-4	Hexachlorocyclopentadiene	50	26.8	54	39-102
67-72-1	Hexachloroethane	50	31.8	64	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.4	81	64-119
78-59-1	Isophorone	50	35.3	71	43-87
90-12-0	1-Methylnaphthalene	50	34.8	70	53-102
91-57-6	2-Methylnaphthalene	50	34.9	70	51-102
88-74-4	2-Nitroaniline	50	42.4	85	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.0	82	55-120
91-20-3	Naphthalene	50	33.8	68	47-100
98-95-3	Nitrobenzene	50	34.6	69	50-104
621-64-7	N-Nitroso-di-n-propylamine	50	38.7	77	52-104
86-30-6	N-Nitrosodiphenylamine	50	41.7	83	64-108
85-01-8	Phenanthrene	50	42.1	84	66-110
129-00-0	Pyrene	50	39.8	80	64-113
120-82-1	1,2,4-Trichlorobenzene	50	31.6	63	45-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	14-67%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Surrogate Recoveries	BSP	Limits
4165-62-2	Phenol-d5	38%	10-50%
118-79-6	2,4,6-Tribromophenol	91%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-BS	X033434.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	25.8	26	10-69
95-57-8	2-Chlorophenol	50	35.3	71	52-98
	3&4-Methylphenol	100	64.7	65	36-88
88-75-5	2-Nitrophenol	50	40.2	80	53-102
100-51-6	Benzyl Alcohol	50	36.1	72	46-94
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.2	88	61-117

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	50%	14-67%
4165-62-2	Phenol-d5	33%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	77%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	95%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		190	89.1	47	82.2	43	8	10-69/39
95-57-8	2-Chlorophenol	ND		95.2	56.6	59	54.1	57	5	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		95.2	68.4	72	67.0	70	2	54-103/23
120-83-2	2,4-Dichlorophenol	ND		95.2	58.2	61	59.3	62	2	53-103/26
105-67-9	2,4-Dimethylphenol	ND		95.2	56.1	59	57.2	60	2	43-90/27
51-28-5	2,4-Dinitrophenol	ND		190	151	79	142	75	6	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		190	171	90	163	86	5	66-121/23
95-48-7	2-Methylphenol	ND		95.2	56.2	59	54.9	58	2	43-90/28
	3&4-Methylphenol	ND		190	110	58	105	55	5	36-88/28
88-75-5	2-Nitrophenol	ND		95.2	59.1	62	59.7	63	1	53-102/29
100-02-7	4-Nitrophenol	ND		190	93.0	49	86.2	45	8	18-62/33
87-86-5	Pentachlorophenol	ND		190	179	94	161	85	11	61-115/26
108-95-2	Phenol	2.7	J	95.2	43.2	43	40.4	40	7	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		95.2	70.9	74	71.7	75	1	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		95.2	71.3	75	66.7	70	7	59-107/23
83-32-9	Acenaphthene	ND		95.2	69.2	73	69.9	73	1	61-107/22
208-96-8	Acenaphthylene	ND		95.2	68.6	72	67.7	71	1	60-104/22
120-12-7	Anthracene	ND		95.2	72.9	77	71.3	75	2	65-108/20
56-55-3	Benzo(a)anthracene	ND		95.2	73.8	77	67.8	71	8	66-111/22
50-32-8	Benzo(a)pyrene	ND		95.2	70.0	74	66.8	70	5	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		95.2	70.8	74	69.9	73	1	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		95.2	80.4	84	75.7	79	6	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		95.2	74.3	78	67.8	71	9	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		95.2	60.6	64*	58.6	62*	3	65-109/23
85-68-7	Butyl benzyl phthalate	ND		95.2	74.6	78	71.2	75	5	65-112/24
100-51-6	Benzyl Alcohol	6.7		95.2	79.1	76	76.4	73	3	46-94/27
91-58-7	2-Chloronaphthalene	ND		95.2	64.0	67	62.7	66	2	57-103/23
106-47-8	4-Chloroaniline	ND		95.2	51.8	54	55.0	58	6	49-105/27
86-74-8	Carbazole	ND		95.2	76.3	80	72.9	77	5	59-113/21
218-01-9	Chrysene	ND		95.2	80.5	85	74.5	78	8	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		95.2	58.1	61	62.8	66	8	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		95.2	56.7	60	57.0	60	1	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		95.2	61.3	64	57.8	61	6	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		95.2	68.2	72	64.7	68	5	62-105/20
95-50-1	1,2-Dichlorobenzene	ND		95.2	55.5	58	52.3	55	6	48-97/24
541-73-1	1,3-Dichlorobenzene	ND		95.2	52.9	56	52.6	55	1	45-95/25

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		95.2	56.5	59	54.7	57	3	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		95.2	74.3	78	70.0	74	6	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		95.2	70.4	74	69.6	73	1	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		95.2	24.9	26*	27.1	28*	8	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		95.2	79.3	83	74.4	78	6	66-119/24
132-64-9	Dibenzofuran	ND		95.2	70.7	74	69.4	73	2	61-106/21
84-74-2	Di-n-butyl phthalate	5.6		95.2	77.7	76	73.2	71	6	65-107/21
117-84-0	Di-n-octyl phthalate	3.1	J	95.2	74.0	74	68.1	68	8	62-118/24
84-66-2	Diethyl phthalate	ND		95.2	70.6	74	68.1	72	4	64-108/21
131-11-3	Dimethyl phthalate	ND		95.2	70.8	74	69.4	73	2	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	J	95.2	86.1	87	79.9	81	7	61-117/23
206-44-0	Fluoranthene	ND		95.2	67.0	70	63.7	67	5	63-106/21
86-73-7	Fluorene	ND		95.2	75.1	79	70.4	74	6	62-108/20
118-74-1	Hexachlorobenzene	ND		95.2	73.2	77	70.5	74	4	63-108/22
87-68-3	Hexachlorobutadiene	ND		95.2	54.0	57	58.4	61	8	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		95.2	46.8	49	45.9	48	2	39-102/29
67-72-1	Hexachloroethane	ND		95.2	51.7	54	53.2	56	3	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		95.2	73.0	77	71.5	75	2	64-119/24
78-59-1	Isophorone	ND		95.2	59.6	63	60.7	64	2	43-87/25
90-12-0	1-Methylnaphthalene	ND		95.2	59.3	62	60.2	63	2	53-102/27
91-57-6	2-Methylnaphthalene	ND		95.2	61.3	64	61.5	65	0	51-102/26
88-74-4	2-Nitroaniline	ND		95.2	79.9	84	76.3	80	5	54-128/24
99-09-2	3-Nitroaniline	ND		95.2	71.0	75	66.9	70	6	56-106/27
100-01-6	4-Nitroaniline	ND		95.2	70.8	74	65.8	69	7	55-120/24
91-20-3	Naphthalene	ND		95.2	58.9	62	60.7	64	3	47-100/29
98-95-3	Nitrobenzene	ND		95.2	57.8	61	57.6	60	0	50-104/28
621-64-7	N-Nitroso-di-n-propylamine	ND		95.2	63.1	66	59.5	62	6	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		95.2	68.8	72	65.6	69	5	64-108/23
85-01-8	Phenanthrene	ND		95.2	75.3	79	73.9	78	2	66-110/21
129-00-0	Pyrene	ND		95.2	79.0	83	71.8	75	10	64-113/23
120-82-1	1,2,4-Trichlorobenzene	ND		95.2	53.7	56	53.9	57	0	45-97/28

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-4	Limits
367-12-4	2-Fluorophenol	48%	45%	32%	14-67%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-4	Limits
4165-62-2	Phenol-d5	40%	38%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	83%	79%	33-118%
4165-60-0	Nitrobenzene-d5	63%	63%	64%	42-108%
321-60-8	2-Fluorobiphenyl	67%	67%	72%	40-106%
1718-51-0	Terphenyl-d14	92%	84%	70%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MS	X033442.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
OP50576-MSD	X033443.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
FA12608-3	X033436.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12620-10

CAS No.	Compound	FA12608-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	47 U		192	59.5	31	73.0	38	20	10-69/39
95-57-8	2-Chlorophenol	4.7 U		96.2	53.2	55	57.2	59	7	52-98/25
	3&4-Methylphenol	4.7 U		192	101	53	115	60	13	36-88/28
88-75-5	2-Nitrophenol	4.7 U		96.2	57.4	60	63.3	66	10	53-102/29
100-51-6	Benzyl Alcohol	4.7 U		96.2	56.0	58	62.6	65	11	46-94/27
117-81-7	bis(2-Ethylhexyl)phthalate	4.7 U		96.2	64.5	67	72.0	75	11	61-117/23

CAS No.	Surrogate Recoveries	MS	MSD	FA12608-3	Limits
367-12-4	2-Fluorophenol	44%	51%	32%	14-67%
4165-62-2	Phenol-d5	31%	38%	19%	10-50%
118-79-6	2,4,6-Tribromophenol	68%	75%	76%	33-118%
4165-60-0	Nitrobenzene-d5	57%	63%	64%	42-108%
321-60-8	2-Fluorobiphenyl	60%	66%	66%	40-106%
1718-51-0	Terphenyl-d14	73%	81%	85%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50587-MB	KK61857.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12620-1, FA12620-2, FA12620-8

CAS No.	Compound	Result	RL	MDL	Units	Q
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	88%	42-127%
2051-24-3	Decachlorobiphenyl	94%	27-127%

Method Blank Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50588-MB	ST124404.D	1	02/25/14	MV	02/24/14	OP50588	GST2956

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12620-1, FA12620-2, FA12620-3, FA12620-7, FA12620-8, FA12620-9, FA12620-10

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	96%	38-127%
2051-24-3	Decachlorobiphenyl	92%	25-137%

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50587-BS	KK61856.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12620-1, FA12620-2, FA12620-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
5103-71-9	alpha-Chlordane	0.5	0.52	104	66-131
5103-74-2	gamma-Chlordane	0.5	0.53	106	68-128

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	92%	42-127%
2051-24-3	Decachlorobiphenyl	96%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50588-BS	ST124403.D	1	02/25/14	MV	02/24/14	OP50588	GST2956

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12620-1, FA12620-2, FA12620-3, FA12620-7, FA12620-8, FA12620-9, FA12620-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.5	88	57-122
11096-82-5	Aroclor 1260	4	3.2	80	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	38-127%
2051-24-3	Decachlorobiphenyl	91%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50587-MS	KK61860.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070
OP50587-MSD	KK61861.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070
FA12608-4	KK61859.D	1	02/25/14	EM	02/24/14	OP50587	GKK2070

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12620-1, FA12620-2, FA12620-8

CAS No.	Compound	FA12608-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
5103-71-9	alpha-Chlordane	0.091		0.962	1.0	95	1.0	95	0	66-131/24
5103-74-2	gamma-Chlordane	0.048	U	0.962	1.0	104	1.0	104	0	68-128/21

CAS No.	Surrogate Recoveries	MS	MSD	FA12608-4	Limits
877-09-8	Tetrachloro-m-xylene	91%	84%	86%	42-127%
2051-24-3	Decachlorobiphenyl	94%	88%	88%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12620
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50588-MS	ST124406.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
OP50588-MSD	ST124407.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
FA12619-2	ST124405.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
FA12619-2 [a]	ST124459.D	4	02/26/14	MV	02/24/14	OP50588	GST2957

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12620-1, FA12620-2, FA12620-3, FA12620-7, FA12620-8, FA12620-9, FA12620-10

CAS No.	Compound	FA12619-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	4.5	60	4.1	54*	9	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	2.4	32*	2.1	28*	13	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12619-2	FA12619-2	Limits
877-09-8	Tetrachloro-m-xylene	74%	70%	40%	44%	38-127%
2051-24-3	Decachlorobiphenyl	32%	28%	13%* [c]	14%* [b]	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits.
(c) Outside control limits. Confirmed by reanalysis. Insufficient sample for re-extraction.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26857
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	1.1	<6.0
Arsenic	10	2	2.4	-0.60	<10
Barium	200	1	1	0.40	<200
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50		
Chromium	10	1	2	-0.30	<10
Cobalt	50	.5	.5	0.0	<50
Copper	25	1	1	-0.20	<25
Iron	300	17	17	-5.0	<300
Lead	5.0	1.1	1.1	0.10	<5.0
Magnesium	5000	50	56		
Manganese	15	.5	1	-0.10	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200	15.8	<10000
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500	15.8	<10000
Strontium	10	.4	.4	0.10	<10
Thallium	10	1.5	2		
Tin	50	.7	1		
Titanium	10	.9	1	0.20	<10
Vanadium	50	.5	.5	0.40	<50
Zinc	20	3	3	1.8	<20

Associated samples MP26857: FA12620-1, FA12620-2, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26857
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/21/14					02/21/14	
Metal	FA12612-1 Original	DUP	RPD	QC Limits	FA12612-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	425	500	85.0	80-120
Arsenic	5.7	6.2	8.4	0-20	5.7	1920	2000	95.7	80-120
Barium	58.2	64.5	10.3	0-20	58.2	2080	2000	101.1	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	49.2	50	98.4	80-120
Calcium									
Chromium	32.6	33.6	3.0	0-20	32.6	236	200	101.7	80-120
Cobalt	0.70	0.70	0.0	0-20	0.70	501	500	100.1	80-120
Copper	2.3	2.6	12.2	0-20	2.3	258	250	102.3	80-120
Iron	9850	10600	7.3	0-20	9850	33300	26000	90.2	80-120
Lead	6.4	8.1	23.4 (a)	0-20	6.4	531	500	104.9	80-120
Magnesium									
Manganese	16.0	14.8	7.8	0-20	16.0	527	500	102.2	80-120
Molybdenum									
Nickel									
Potassium	380	308	20.9 (a)	0-20	380	24800	25000	97.7	80-120
Selenium	anr								
Silver	anr								
Sodium	1140	1140	0.0	0-20	1140	25600	25000	97.8	80-120
Strontium	93.5	110	16.2	0-20	93.5	617	500	104.7	80-120
Thallium									
Tin									
Titanium	345	173	66.4*(b)	0-20	345	739	500	78.8N(c)	80-120
Vanadium	32.8	33.1	0.9	0-20	32.8	513	500	96.0	80-120
Zinc	69.4	69.6	0.3	0-20	69.4	568	500	99.7	80-120

Associated samples MP26857: FA12620-1, FA12620-2, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) High RPD indicates possible matrix interference.
(c) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26857
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	FA12612-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	388	500	77.6N(a)	9.1	20
Arsenic	5.7	1850	2000	92.2	3.7	20
Barium	58.2	2070	2000	100.6	0.5	20
Beryllium						
Cadmium	0.0	47.7	50	95.4	3.1	20
Calcium						
Chromium	32.6	239	200	103.2	1.3	20
Cobalt	0.70	486	500	97.1	3.0	20
Copper	2.3	251	250	99.5	2.8	20
Iron	9850	35900	26000	100.2	7.5	20
Lead	6.4	529	500	104.5	0.4	20
Magnesium						
Manganese	16.0	515	500	99.8	2.3	20
Molybdenum						
Nickel						
Potassium	380	24500	25000	96.5	1.2	20
Selenium	anr					
Silver	anr					
Sodium	1140	25000	25000	95.4	2.4	20
Strontium	93.5	656	500	112.5	6.1	20
Thallium						
Tin						
Titanium	345	680	500	67.0N(a)	8.3	20
Vanadium	32.8	503	500	94.0	2.0	20
Zinc	69.4	550	500	96.1	3.2	20

Associated samples MP26857: FA12620-1, FA12620-2, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26857
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	516	500	103.2	80-120
Arsenic	2020	2000	101.0	80-120
Barium	2100	2000	105.0	80-120
Beryllium				
Cadmium	51.2	50	102.4	80-120
Calcium				
Chromium	211	200	105.5	80-120
Cobalt	519	500	103.8	80-120
Copper	261	250	104.4	80-120
Iron	26400	26000	101.5	80-120
Lead	503	500	100.6	80-120
Magnesium				
Manganese	524	500	104.8	80-120
Molybdenum				
Nickel				
Potassium	25400	25000	101.6	80-120
Selenium	anr			
Silver	anr			
Sodium	25600	25000	102.4	80-120
Strontium	502	500	100.4	80-120
Thallium				
Tin				
Titanium	521	500	104.2	80-120
Vanadium	500	500	100.0	80-120
Zinc	518	500	103.6	80-120

Associated samples MP26857: FA12620-1, FA12620-2, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26857
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	FA12612-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	5.70	0.00	100.0(a)	0-10
Barium	58.2	63.1	8.4	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	32.6	33.0	1.2	0-10
Cobalt	0.700	0.00	100.0(a)	0-10
Copper	2.30	0.00	100.0(a)	0-10
Iron	9850	10400	5.2	0-10
Lead	6.40	8.50	32.8 (a)	0-10
Magnesium				
Manganese	16.0	16.6	3.8	0-10
Molybdenum				
Nickel				
Potassium	380	0.00	100.0(a)	0-10
Selenium	anr			
Silver	anr			
Sodium	1140	0.00	100.0(a)	0-10
Strontium	93.5	102	8.8	0-10
Thallium				
Tin				
Titanium	345	353	2.2	0-10
Vanadium	32.8	35.9	9.5	0-10
Zinc	69.4	75.2	8.4	0-10

Associated samples MP26857: FA12620-1, FA12620-2, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26857
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	Sample ml	Final ml	FA12612-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			97.9	0.2	5	100	97.9	80-120
Arsenic	9.8	10	5.7	5.586	103	0.2	5	100	97.4	80-120
Barium	9.8	10	58.2	57.036	310.8	0.2	12.5	250	101.5	80-120
Beryllium										
Cadmium	9.8	10			49.8	0.2	2.5	50	99.6	80-120
Calcium										
Chromium	9.8	10	32.6	31.948	82.3	0.2	2.5	50	100.7	80-120
Cobalt	9.8	10	.7	.686	51.2	0.2	2.5	50	101.0	80-120
Copper	9.8	10	2.3	2.254	102.2	0.2	5	100	99.9	80-120
Iron	9.8	10	9847	9650.06	12400	0.2	150	3000	91.7	80-120
Lead	9.8	10	6.4	6.272	57.4	0.2	2.5	50	102.3	80-120
Magnesium										
Manganese	9.8	10	16	15.68	66	0.2	2.5	50	100.6	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	379.9	372.302	10040	0.2	500	10000	96.7	80-120
Selenium										
Silver										
Sodium	9.8	10	1135	1112.3	11350	0.2	500	10000	102.4	80-120
Strontium	9.8	10	93.5	91.63	142.3	0.2	2.5	50	101.3	80-120
Thallium										
Tin										
Titanium	9.8	10	344.9	338.002	423.7	0.2	5	100	85.7	80-120
Vanadium	9.8	10	32.8	32.144	80.1	0.2	2.5	50	95.9	80-120
Zinc	9.8	10	69.4	68.012	318.3	0.2	12.5	250	100.1	80-120

Associated samples MP26857: FA12620-1, FA12620-2, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	0.0	<6.0
Arsenic	10	2	2.4	-1.9	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50		
Chromium	10	1	2	0.20	<10
Cobalt	50	.5	.5	-0.30	<50
Copper	25	1	1		
Iron	300	17	17	-6.4	<300
Lead	5.0	1.1	1.1	-0.90	<5.0
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200	-15	<10000
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500	-16	<10000
Strontium	10	.4	.4	0.0	<10
Thallium	10	1.5	2		
Tin	50	.7	1		
Titanium	10	.9	1	-0.30	<10
Vanadium	50	.5	.5		
Zinc	20	3	3		

Associated samples MP26859: FA12620-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/21/14					02/21/14	
Metal	FA12642-1 Original	DUP	RPD	QC Limits	FA12642-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	2.2	0.0	200.0(a)	0-20	2.2	524	500	104.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	50.4	50	100.8	80-120
Calcium	anr								
Chromium	0.0	0.0	NC	0-20	0.0	212	200	106.0	80-120
Cobalt	0.0	0.0	NC	0-20	0.0	517	500	103.4	80-120
Copper									
Iron	13800	13600	1.5	0-20	13800	39800	26000	100.0	80-120
Lead	0.0	0.0	NC	0-20	0.0	498	500	99.6	80-120
Magnesium	anr								
Manganese	116	114	1.7	0-20	116	638	500	104.4	80-120
Molybdenum									
Nickel									
Potassium	3920	3790	3.4	0-20	3920	29700	25000	103.1	80-120
Selenium									
Silver									
Sodium	6500	6380	1.9	0-20	6500	32100	25000	102.4	80-120
Strontium	184	183	0.5	0-20	184	693	500	101.8	80-120
Thallium									
Tin									
Titanium	1.8	1.8	0.0	0-20	1.8	525	500	104.6	80-120
Vanadium									
Zinc	anr								

Associated samples MP26859: FA12620-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	FA12642-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	2.2	520	500	103.6	0.8	20
Arsenic	0.0	2060	2000	103.0	0.0	20
Barium						
Beryllium						
Cadmium	0.0	50.0	50	100.0	0.8	20
Calcium	anr					
Chromium	0.0	213	200	106.5	0.5	20
Cobalt	0.0	515	500	103.0	0.4	20
Copper						
Iron	13800	40100	26000	101.2	0.8	20
Lead	0.0	498	500	99.6	0.0	20
Magnesium	anr					
Manganese	116	636	500	104.0	0.3	20
Molybdenum						
Nickel						
Potassium	3920	29500	25000	102.3	0.7	20
Selenium						
Silver						
Sodium	6500	32000	25000	102.0	0.3	20
Strontium	184	691	500	101.4	0.3	20
Thallium						
Tin						
Titanium	1.8	526	500	104.8	0.2	20
Vanadium						
Zinc	anr					

Associated samples MP26859: FA12620-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	504	500	100.8	80-120
Arsenic	2000	2000	100.0	80-120
Barium				
Beryllium				
Cadmium	50.6	50	101.2	80-120
Calcium	anr			
Chromium	209	200	104.5	80-120
Cobalt	511	500	102.2	80-120
Copper				
Iron	26500	26000	101.9	80-120
Lead	493	500	98.6	80-120
Magnesium	anr			
Manganese	522	500	104.4	80-120
Molybdenum				
Nickel				
Potassium	25000	25000	100.0	80-120
Selenium				
Silver				
Sodium	25000	25000	100.0	80-120
Strontium	499	500	99.8	80-120
Thallium				
Tin				
Titanium	513	500	102.6	80-120
Vanadium				
Zinc	anr			

Associated samples MP26859: FA12620-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	FA12642-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	2.20	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper				
Iron	13800	14400	4.3	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	anr			
Manganese	116	121	4.7	0-10
Molybdenum				
Nickel				
Potassium	3920	3820	2.4	0-10
Selenium				
Silver				
Sodium	6500	6400	1.5	0-10
Strontium	184	190	3.3	0-10
Thallium				
Tin				
Titanium	1.80	0.00	100.0(a)	0-10
Vanadium				
Zinc	anr			

Associated samples MP26859: FA12620-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	Sample ml	Final ml	FA12642-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	2.2	2.156	106.2	0.2	5	100	104.0	80-120
Arsenic	9.8	10			105.4	0.2	5	100	105.4	80-120
Barium										
Beryllium										
Cadmium	9.8	10			51.8	0.2	2.5	50	103.6	80-120
Calcium										
Chromium	9.8	10			52.8	0.2	2.5	50	105.6	80-120
Cobalt	9.8	10			51.4	0.2	2.5	50	102.8	80-120
Copper										
Iron	9.8	10	13800	13524	16360	0.2	150	3000	94.5	80-120
Lead	9.8	10			48.2	0.2	2.5	50	96.4	80-120
Magnesium										
Manganese	9.8	10	115.9	113.582	166.7	0.2	2.5	50	106.2	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	3916	3837.68	13850	0.2	500	10000	100.1	80-120
Selenium										
Silver										
Sodium	9.8	10	6497	6367.06	16810	0.2	500	10000	104.4	80-120
Strontium	9.8	10	184	180.32	230.4	0.2	2.5	50	100.2	80-120
Thallium										
Tin										
Titanium	9.8	10	1.8	1.764	106.5	0.2	5	100	104.7	80-120
Vanadium										
Zinc										

Associated samples MP26859: FA12620-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date:				02/24/14		02/24/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.50	.03	.03	0.0045	<0.50	0.016	<0.50

Associated samples MP26861: FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/24/14 02/24/14

Metal	FA12620-1 Original	DUP	RPD	QC Limits	FA12620-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	1.4	1.5	6.9	0-20	1.4	4.3	3	96.7	80-120

Associated samples MP26861: FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/24/14

Metal	FA12620-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	1.4	4.5	3	103.3	4.5	20

Associated samples MP26861: FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/24/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26861: FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12620
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/24/14

Metal	FA12620-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	1.43	0.853	40.1 (a)	0-10

Associated samples MP26861: FA12620-1, FA12620-2, FA12620-3, FA12620-5, FA12620-6, FA12620-7, FA12620-8, FA12620-9, FA12620-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Southeast
ACCUTEST LABORATORIES

03/03/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita,KS

Accutest Job Number: FA12636

Sampling Dates: 02/19/14 - 02/24/14

Report to:

ISI Environmental Services
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Wichita, KS 67211
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ATTN: Brady Gerber

Total number of pages in report: **70**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita,KS

Job No: FA12636

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12636-1	02/19/14	12:10	BGSK	02/20/14	AQ	Water	BLD D RM 2
FA12636-1A	02/24/14	18:15	BGSK	02/26/14	AQ	Water	BLD D RM 2
FA12636-2	02/19/14	11:45	BGSK	02/20/14	AQ	Water	BLD D RMS 1A & 1B
FA12636-3	02/19/14	16:00	BGSK	02/20/14	AQ	Water	BLD D RMS 5A & 5D
FA12636-4	02/19/14	15:15	BGSK	02/20/14	AQ	Water	BLD D RM 5B
FA12636-5	02/19/14	00:00	BGSK	02/20/14	AQ	Water	DUP-4

Summary of Hits

Job Number: FA12636
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/19/14 thru 02/24/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12636-1	**BLD D RM 2**					
bis(2-Ethylhexyl)phthalate		10.2	4.7	1.5	ug/l	SW846 8270D
Cadmium		5.0	5.0		ug/l	SW846 6010C
Chromium		35.8	10		ug/l	SW846 6010C
Iron		2570	300		ug/l	SW846 6010C
Lead		117	5.0		ug/l	SW846 6010C
Manganese		60.7	15		ug/l	SW846 6010C
Mercury		0.93	0.50		ug/l	SW846 7470A
Sodium		90100	20000		ug/l	SW846 6010C
Strontium		222	10		ug/l	SW846 6010C
Titanium		50.4	10		ug/l	SW846 6010C
FA12636-1A	**BLD D RM 2**					
Aroclor 1260 [a]		0.20 J	0.48	0.19	ug/l	SW846 8082A
FA12636-4	**BLD D RM 5B**					
3&4-Methylphenol		1.9 J	4.7	1.1	ug/l	SW846 8270D
Benzyl Alcohol		21.4	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		53.4	4.7	1.5	ug/l	SW846 8270D
Naphthalene		0.61 J	4.7	0.47	ug/l	SW846 8270D
Chromium		66.7	10		ug/l	SW846 6010C
Iron		2330	300		ug/l	SW846 6010C
Lead		85.3	5.0		ug/l	SW846 6010C
Manganese		51.9	15		ug/l	SW846 6010C
Mercury		0.86	0.50		ug/l	SW846 7470A
Sodium		122000	40000		ug/l	SW846 6010C
Strontium		254	10		ug/l	SW846 6010C
Titanium		52.5	10		ug/l	SW846 6010C
FA12636-5	**DUP-4**					
Antimony		10.5	6.0		ug/l	SW846 6010C
Cadmium		5.2	5.0		ug/l	SW846 6010C
Chromium		194	10		ug/l	SW846 6010C
Iron		4600	300		ug/l	SW846 6010C
Lead		136	5.0		ug/l	SW846 6010C
Manganese		93.3	15		ug/l	SW846 6010C
Mercury		1.8	0.50		ug/l	SW846 7470A
Potassium		21200	10000		ug/l	SW846 6010C
Sodium		1980000	500000		ug/l	SW846 6010C
Strontium		343	10		ug/l	SW846 6010C
Titanium		77.8	10		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12636
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 02/19/14 thru 02/24/14

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

(a) All hits confirmed by dual column analysis.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12636-1	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033445.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	10.2	4.7	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-67%
4165-62-2	Phenol-d5	20%		10-50%
118-79-6	2,4,6-Tribromophenol	85%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	95%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 2
Lab Sample ID: FA12636-1
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	5.0	5.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	35.8	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	2570	300	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	117	5.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	60.7	15	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.93	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	90100	20000	ug/l	2	02/21/14	02/25/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	222	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	50.4	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11415
(3) Instrument QC Batch: MA11418
(4) Prep QC Batch: MP26859
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 2		
Lab Sample ID:	FA12636-1A	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124578.D	1	02/28/14	MV	02/27/14	OP50639	GST2959
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	0.20	0.48	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		38-127%
2051-24-3	Decachlorobiphenyl	57%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 5B		
Lab Sample ID:	FA12636-4	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033446.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
	3&4-Methylphenol	1.9	4.7	1.1	ug/l	J
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
100-51-6	Benzyl Alcohol	21.4	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	53.4	4.7	1.5	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-20-3	Naphthalene	0.61	4.7	0.47	ug/l	J
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-67%
4165-62-2	Phenol-d5	17%		10-50%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	57%		42-108%
321-60-8	2-Fluorobiphenyl	59%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 5B
Lab Sample ID: FA12636-4
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Chromium	66.7	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Iron	2330	300	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Lead	85.3	5.0	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Manganese	51.9	15	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Mercury	0.86	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Sodium	122000	40000	ug/l	4	02/21/14	02/25/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	254	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]
Titanium	52.5	10	ug/l	1	02/21/14	02/24/14	LM	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11415
(3) Instrument QC Batch: MA11418
(4) Prep QC Batch: MP26859
(5) Prep QC Batch: MP26861

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	FA12636-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0074626.D	20	02/26/14	RB	n/a	n/a	VN3256
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	500	210	ug/l	
71-43-2	Benzene	ND	20	4.9	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.2	ug/l	
75-25-2	Bromoform	ND	20	7.7	ug/l	
108-90-7	Chlorobenzene	ND	20	4.8	ug/l	
75-00-3	Chloroethane	ND	40	10	ug/l	
67-66-3	Chloroform	ND	20	6.2	ug/l	
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	7.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.1	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	5.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	4.8	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	7.1	ug/l	
124-48-1	Dibromochloromethane	ND	20	7.2	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	6.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	6.9	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	ND	20	5.6	ug/l	
591-78-6	2-Hexanone	ND	200	40	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	20	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	11	ug/l	
75-09-2	Methylene chloride	ND	100	40	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	30	ug/l	
100-42-5	Styrene	ND	20	4.7	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	5.5	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.3	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.1	ug/l	
108-88-3	Toluene	ND	20	4.0	ug/l	
79-01-6	Trichloroethylene	ND	20	6.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	FA12636-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	20	6.5	ug/l	
1330-20-7	Xylene (total)	ND	60	13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Dilution required due to matrix interference (sample foamed).
(b) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	FA12636-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033448.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
Run #2 [a]	X033472.D	1	02/27/14	FS	02/24/14	OP50576	SX1575

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	ND	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	FA12636-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	6% [b]	7%	14-67%
4165-62-2	Phenol-d5	6% [b]	6%	10-50%
118-79-6	2,4,6-Tribromophenol	5% [b]	5%	33-118%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	FA12636-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	10% [b]	9%	42-108%
321-60-8	2-Fluorobiphenyl	4% [b]	4%	40-106%
1718-51-0	Terphenyl-d14	2% [b]	2%	39-121%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	FA12636-5	**Date Sampled:**	02/19/14
Matrix:	AQ - Water	**Date Received:**	02/20/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita,KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124422.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	5.0	2.0	ug/l	
11104-28-2	Aroclor 1221	ND	5.0	2.5	ug/l	
11141-16-5	Aroclor 1232	ND	5.0	2.5	ug/l	
53469-21-9	Aroclor 1242	ND	5.0	2.0	ug/l	
12672-29-6	Aroclor 1248	ND	5.0	2.0	ug/l	
11097-69-1	Aroclor 1254	ND	5.0	2.0	ug/l	
11096-82-5	Aroclor 1260	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	8% [b]		38-127%
2051-24-3	Decachlorobiphenyl	0% [b]		25-137%

(a) Elevated reporting limit due to matrix interference, dilution required during sample prep.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-4
Lab Sample ID: FA12636-5
Matrix: AQ - Water
Project: Clean Harbors; Wichita,KS

Date Sampled: 02/19/14
Date Received: 02/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	10.5	6.0	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	5.2	5.0	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	194	10	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	4600	300	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	136	5.0	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	93.3	15	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	1.8	0.50	ug/l	1	02/24/14	02/24/14	JL	SW846 7470A [1]	SW846 7470A [4]
Potassium	21200	10000	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	1980000	500000	ug/l	50	02/25/14	02/27/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	343	10	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	77.8	10	ug/l	1	02/25/14	02/26/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11413
(2) Instrument QC Batch: MA11420
(3) Instrument QC Batch: MA11422
(4) Prep QC Batch: MP26861
(5) Prep QC Batch: MP26868

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12636 PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Lacua
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZNAC	DI WATER	MEOH	2-Nitrophenol	Benzyl Alcohol	bis (2-Ethylhexyl) phthalate	Aroclor 1260	Antimony/Arsenic/Cadmium	Chromium/Cobalt	Iron/Lead	Manganese/Mercury	Potassium/Sodium	Strontium/Titanium		LAB USE ONLY
1	Bld D Rm 2	2-19-14	1210	BG	WW	5		X			X					X	X	X	X	X	X	X	X	X	X		

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-19-14/1700	2 FX	3 FX	2-20-14	4 J. Cornel (ABC) 14:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 3.0 3.4

4.1 4

FA12636: Chain of Custody
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www.accutest.com

Accutest JOB # FA 12636 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: JSI Environmental
Address: 215 S. Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Graber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Graber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information	Analytical Information	LAB USE ONLY
2	Bld D Rms 1A + 1B	2-19-14	1145	BG	WW	2	None: X	Arsenic / Arsenic: X	
3	Bld D Rms 5A - 5D	2-19-14	1600	BG	WW	2	None: X	Arsenic / Arsenic: X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

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- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Hold for analysis until further notice.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Graber	2-19-14 1700	2 FX	3 FX	2-20-14	4 J Carroll (ATSE) 14:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12636: Chain of Custody
Page 2 of 9

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Accutest JOB # FA12636 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Di Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7850
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection: DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	Container Information: OTHER	NONE	HCl	MeOH	NaHSO4	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Matrix Codes	LAB USE ONLY
a	Bld D Rm 5B	2-19-14	1515	DG	WW	6		X	X		X						
	Trip Blank								X								

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	2-19-14 / 1730	2 FX	3 FX	2-20-14	4 Cooler (ALSE) 14:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

FA12636: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12636 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: ISI Environmental
Address: 215 S. Lacy
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Shaun Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection: DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	Container Information: OTHER	NONE	HCl	H2SO4	HNO3	NaOH/ZnAc	DI WATER	MEOH	VOC's	SVOC's	PCB's	Metals
S	Dup-4	2-19-14		BG	WW	8		X	X		X				X	X	X	X
	Trip Blank														X			

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code: 5-7 dy Rush

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-19-14 1800	2 FX	3 FX	2-20-14	4 J. Cooper (ALSE) 14:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12636 CLIENT: IST ENV. PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 2-20-14 14:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7479 7414 7037

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.4 3.8
- [ ] CORRECTED TEMPS: 3.0 3.4

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [X] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [X] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [X] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: RECEIVED 3 AMBERS BROKEN FOR SAMPLE #1 2(8081) 1(8270) NOT TB RECEIVED; SAMPLE #4 COC WAS BLD D LABELS BLD B Sample #3 Received 1 Amber (Dioxins) 7/8 Empty

TECHNICIAN SIGNATURE/DATE JC 2-20-14 REVIEWER SIGNATURE/DATE R Williams 02.20.14

NF 12/10

receipt confirmation 122910.xls

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Accutest Laboratories Southeast
Chain of Custody

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Accutest JOB # ~~FA12774~~ JC PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: ISI Environmental
Address: 215 S. Lawa
City: Wichita State: KS Zip:
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

FA12636

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAC	DI WATER	MEOH	Aroclor 1260	LAB USE ONLY
~~01~~	Bld D Rm 2	2-24-14	1815	BG	WW	2		X								X	1A

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample collected due to previous sample container breakage in transit. Previous sample collected on 2-19-14.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-25-14/1100	2 FX	3 FX	2-26-14	4 J. Cerne (AZTec) 09:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12636 CLIENT: 1ST ENV PROJECT: CLEAR HARBORS

DATE/TIME RECEIVED: 2.26.14 0930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7980 2768 7014

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: RECEIVED 2 AMBERS FOR SAMPLE #1

TECHNICIAN SIGNATURE/DATE 2-26-14 REVIEWER SIGNATURE/DATE 02/26/14

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA12636: Chain of Custody

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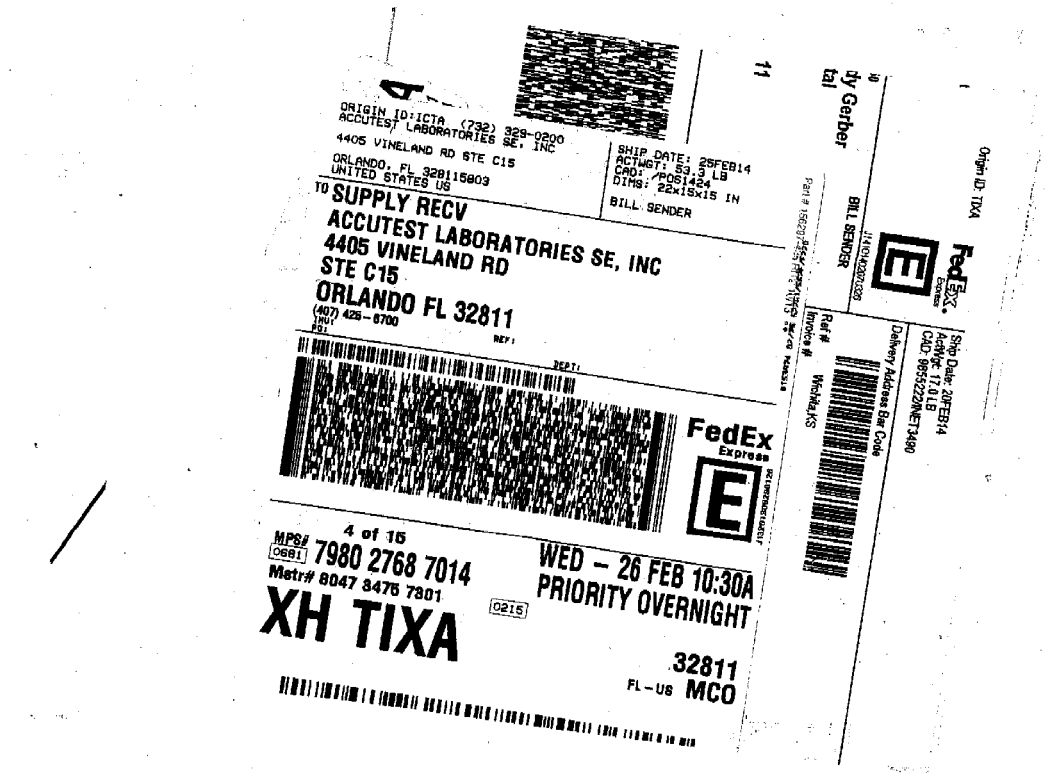

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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3256-MB	N0074609.D	1	02/26/14	RB	n/a	n/a	VN3256

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12636-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3256-MB	N0074609.D	1	02/26/14	RB	n/a	n/a	VN3256

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12636-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.39	6000	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3256-BS	N0074607.D	1	02/26/14	RB	n/a	n/a	VN3256

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12636-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	114	91	50-147
71-43-2	Benzene	25	25.1	100	81-122
75-27-4	Bromodichloromethane	25	25.5	102	79-123
75-25-2	Bromoform	25	21.0	84	66-123
108-90-7	Chlorobenzene	25	25.5	102	82-124
75-00-3	Chloroethane	25	31.2	125	62-144
67-66-3	Chloroform	25	25.2	101	80-124
75-15-0	Carbon disulfide	25	24.2	97	66-148
56-23-5	Carbon tetrachloride	25	27.6	110	76-136
75-34-3	1,1-Dichloroethane	25	25.3	101	81-122
75-35-4	1,1-Dichloroethylene	25	28.6	114	78-137
107-06-2	1,2-Dichloroethane	25	25.5	102	75-125
78-87-5	1,2-Dichloropropane	25	24.9	100	76-124
124-48-1	Dibromochloromethane	25	24.3	97	78-122
156-59-2	cis-1,2-Dichloroethylene	25	25.3	101	78-120
10061-01-5	cis-1,3-Dichloropropene	25	24.6	98	75-118
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	76-127
10061-02-6	trans-1,3-Dichloropropene	25	24.4	98	80-120
100-41-4	Ethylbenzene	25	23.8	95	81-121
591-78-6	2-Hexanone	125	106	85	61-129
108-10-1	4-Methyl-2-pentanone	125	122	98	66-122
74-83-9	Methyl bromide	25	30.3	121	59-143
74-87-3	Methyl chloride	25	33.6	134	50-159
75-09-2	Methylene chloride	25	27.3	109	69-135
78-93-3	Methyl ethyl ketone	125	107	86	56-143
100-42-5	Styrene	25	22.3	89	78-119
71-55-6	1,1,1-Trichloroethane	25	27.3	109	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	22.0	88	72-120
79-00-5	1,1,2-Trichloroethane	25	23.6	94	76-119
127-18-4	Tetrachloroethylene	25	24.7	99	76-135
108-88-3	Toluene	25	23.2	93	80-120
79-01-6	Trichloroethylene	25	25.9	104	81-126
75-01-4	Vinyl chloride	25	31.8	127	69-159
1330-20-7	Xylene (total)	75	76.1	101	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3256-BS	N0074607.D	1	02/26/14	RB	n/a	n/a	VN3256

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12636-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12549-4MS	N0074628.D	5	02/26/14	RB	n/a	n/a	VN3256
FA12549-4MSD	N0074629.D	5	02/26/14	RB	n/a	n/a	VN3256
FA12549-4	N0074616.D	1	02/26/14	RB	n/a	n/a	VN3256
FA12549-4	N0074620.D	5	02/26/14	RB	n/a	n/a	VN3256

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12636-5

CAS No.	Compound	FA12549-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	723	116	687	110	5	50-147/21
71-43-2	Benzene	ND		125	140	112	134	107	4	81-122/14
75-27-4	Bromodichloromethane	ND		125	136	109	130	104	5	79-123/19
75-25-2	Bromoform	ND		125	101	81	97.2	78	4	66-123/21
108-90-7	Chlorobenzene	ND		125	138	110	134	107	3	82-124/14
75-00-3	Chloroethane	4.7		125	153	119	147	114	4	62-144/20
67-66-3	Chloroform	ND		125	144	115	138	110	4	80-124/15
75-15-0	Carbon disulfide	ND		125	104	83	92.3	74	12	66-148/23
56-23-5	Carbon tetrachloride	ND		125	157	126	142	114	10	76-136/23
75-34-3	1,1-Dichloroethane	167 [a]		125	291	99	278	89	5	81-122/15
75-35-4	1,1-Dichloroethylene	42.5		125	187	116	183	112	2	78-137/18
107-06-2	1,2-Dichloroethane	0.41	J	125	146	116	141	112	3	75-125/14
78-87-5	1,2-Dichloropropane	ND		125	138	110	131	105	5	76-124/14
124-48-1	Dibromochloromethane	ND		125	121	97	117	94	3	78-122/19
156-59-2	cis-1,2-Dichloroethylene	54.0		125	180	101	177	98	2	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		125	133	106	122	98	9	75-118/23
156-60-5	trans-1,2-Dichloroethylene	ND		125	143	114	135	108	6	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		125	127	102	123	98	3	80-120/22
100-41-4	Ethylbenzene	ND		125	129	103	124	99	4	81-121/14
591-78-6	2-Hexanone	ND		625	579	93	592	95	2	61-129/18
108-10-1	4-Methyl-2-pentanone	ND		625	651	104	667	107	2	66-122/16
74-83-9	Methyl bromide	ND		125	138	110	138	110	0	59-143/19
74-87-3	Methyl chloride	ND		125	157	126	148	118	6	50-159/19
75-09-2	Methylene chloride	ND		125	154	123	149	119	3	69-135/16
78-93-3	Methyl ethyl ketone	ND		625	631	101	622	100	1	56-143/18
100-42-5	Styrene	ND		125	119	95	115	92	3	78-119/23
71-55-6	1,1,1-Trichloroethane	2.5		125	155	122	145	114	7	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	121	97	123	98	2	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		125	123	98	125	100	2	76-119/14
127-18-4	Tetrachloroethylene	ND		125	136	109	130	104	5	76-135/16
108-88-3	Toluene	ND		125	125	100	121	97	3	80-120/14
79-01-6	Trichloroethylene	51.2		125	186	108	171	96	8	81-126/15
75-01-4	Vinyl chloride	0.88	J	125	149	118	146	116	2	69-159/18
1330-20-7	Xylene (total)	ND		375	411	110	398	106	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12549-4MS	N0074628.D	5	02/26/14	RB	n/a	n/a	VN3256
FA12549-4MSD	N0074629.D	5	02/26/14	RB	n/a	n/a	VN3256
FA12549-4	N0074616.D	1	02/26/14	RB	n/a	n/a	VN3256
FA12549-4	N0074620.D	5	02/26/14	RB	n/a	n/a	VN3256

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12636-5

CAS No.	Surrogate Recoveries	MS	MSD	FA12549-4	FA12549-4	Limits
1868-53-7	Dibromofluoromethane	104%	103%	104%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	96%	95%	97%	79-125%
2037-26-5	Toluene-D8	98%	98%	98%	98%	85-112%
460-00-4	4-Bromofluorobenzene	94%	96%	96%	95%	83-118%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MB	X033435.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MB	X033435.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	14-67%

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MB	X033435.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	34%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	33-118%
4165-60-0	Nitrobenzene-d5	69%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	91%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-BS	X033434.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	25.8	26	10-69
95-57-8	2-Chlorophenol	50	35.3	71	52-98
59-50-7	4-Chloro-3-methyl phenol	50	38.3	77	54-103
120-83-2	2,4-Dichlorophenol	50	37.2	74	53-103
105-67-9	2,4-Dimethylphenol	50	34.4	69	43-90
51-28-5	2,4-Dinitrophenol	100	81.5	82	44-112
534-52-1	4,6-Dinitro-o-cresol	100	91.5	92	66-121
95-48-7	2-Methylphenol	50	33.8	68	43-90
	3&4-Methylphenol	100	64.7	65	36-88
88-75-5	2-Nitrophenol	50	40.2	80	53-102
100-02-7	4-Nitrophenol	100	30.6	31	18-62
87-86-5	Pentachlorophenol	100	89.6	90	61-115
108-95-2	Phenol	50	16.7	33	19-56
95-95-4	2,4,5-Trichlorophenol	50	38.6	77	62-109
88-06-2	2,4,6-Trichlorophenol	50	42.9	86	59-107
83-32-9	Acenaphthene	50	40.3	81	61-107
208-96-8	Acenaphthylene	50	41.2	82	60-104
120-12-7	Anthracene	50	41.4	83	65-108
56-55-3	Benzo(a)anthracene	50	42.2	84	66-111
50-32-8	Benzo(a)pyrene	50	41.9	84	62-107
205-99-2	Benzo(b)fluoranthene	50	43.9	88	65-114
191-24-2	Benzo(g,h,i)perylene	50	46.3	93	66-116
207-08-9	Benzo(k)fluoranthene	50	43.2	86	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.9	70	65-109
85-68-7	Butyl benzyl phthalate	50	43.4	87	65-112
100-51-6	Benzyl Alcohol	50	36.1	72	46-94
91-58-7	2-Chloronaphthalene	50	38.7	77	57-103
106-47-8	4-Chloroaniline	50	35.2	70	49-105
86-74-8	Carbazole	50	41.4	83	59-113
218-01-9	Chrysene	50	43.7	87	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	39.0	78	51-102
111-44-4	bis(2-Chloroethyl)ether	50	36.6	73	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	36.2	72	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	38.3	77	62-105
95-50-1	1,2-Dichlorobenzene	50	33.7	67	48-97
541-73-1	1,3-Dichlorobenzene	50	33.7	67	45-95

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-BS	X033434.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	35.4	71	45-98
121-14-2	2,4-Dinitrotoluene	50	40.4	81	61-110
606-20-2	2,6-Dinitrotoluene	50	39.9	80	63-108
91-94-1	3,3'-Dichlorobenzidine	50	47.5	95	46-117
53-70-3	Dibenzo(a,h)anthracene	50	42.3	85	66-119
132-64-9	Dibenzofuran	50	40.9	82	61-106
84-74-2	Di-n-butyl phthalate	50	39.1	78	65-107
117-84-0	Di-n-octyl phthalate	50	38.6	77	62-118
84-66-2	Diethyl phthalate	50	38.1	76	64-108
131-11-3	Dimethyl phthalate	50	39.0	78	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.2	88	61-117
206-44-0	Fluoranthene	50	40.9	82	63-106
86-73-7	Fluorene	50	40.6	81	62-108
118-74-1	Hexachlorobenzene	50	41.8	84	63-108
87-68-3	Hexachlorobutadiene	50	36.9	74	42-102
77-47-4	Hexachlorocyclopentadiene	50	26.2	52	39-102
67-72-1	Hexachloroethane	50	34.3	69	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	41.9	84	64-119
78-59-1	Isophorone	50	37.2	74	43-87
90-12-0	1-Methylnaphthalene	50	36.5	73	53-102
91-57-6	2-Methylnaphthalene	50	39.4	79	51-102
88-74-4	2-Nitroaniline	50	45.6	91	54-128
99-09-2	3-Nitroaniline	50	44.0	88	56-106
100-01-6	4-Nitroaniline	50	39.3	79	55-120
91-20-3	Naphthalene	50	40.3	81	47-100
98-95-3	Nitrobenzene	50	36.3	73	50-104
621-64-7	N-Nitroso-di-n-propylamine	50	37.5	75	52-104
86-30-6	N-Nitrosodiphenylamine	50	41.4	83	64-108
85-01-8	Phenanthrene	50	41.9	84	66-110
129-00-0	Pyrene	50	40.8	82	64-113
120-82-1	1,2,4-Trichlorobenzene	50	31.1	62	45-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	50%	14-67%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-BS	X033434.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Surrogate Recoveries	BSP	Limits
4165-62-2	Phenol-d5	33%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	77%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	95%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MS	X033442.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
OP50576-MSD	X033443.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
FA12608-3	X033436.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Compound	FA12608-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	47	U	192	59.5	31	73.0	38	20	10-69/39
95-57-8	2-Chlorophenol	4.7	U	96.2	53.2	55	57.2	59	7	52-98/25
59-50-7	4-Chloro-3-methyl phenol	4.7	U	96.2	57.6	60	61.7	64	7	54-103/23
120-83-2	2,4-Dichlorophenol	4.7	U	96.2	53.2	55	59.0	61	10	53-103/26
105-67-9	2,4-Dimethylphenol	4.7	U	96.2	52.2	54	57.4	60	9	43-90/27
51-28-5	2,4-Dinitrophenol	24	U	192	124	64	137	71	10	44-112/25
534-52-1	4,6-Dinitro-o-cresol	9.4	U	192	130	68	146	76	12	66-121/23
95-48-7	2-Methylphenol	4.7	U	96.2	50.7	53	56.7	59	11	43-90/28
	3&4-Methylphenol	4.7	U	192	101	53	115	60	13	36-88/28
88-75-5	2-Nitrophenol	4.7	U	96.2	57.4	60	63.3	66	10	53-102/29
100-02-7	4-Nitrophenol	24	U	192	57.5	30	72.1	37	23	18-62/33
87-86-5	Pentachlorophenol	24	U	192	143	74	154	80	7	61-115/26
108-95-2	Phenol	4.7	U	96.2	29.6	31	35.8	37	19	19-56/35
95-95-4	2,4,5-Trichlorophenol	4.7	U	96.2	55.8	58*	60.6	63	8	62-109/22
88-06-2	2,4,6-Trichlorophenol	4.7	U	96.2	61.6	64	66.9	70	8	59-107/23
83-32-9	Acenaphthene	4.7	U	96.2	60.0	62	64.1	67	7	61-107/22
208-96-8	Acenaphthylene	4.7	U	96.2	60.7	63	65.9	69	8	60-104/22
120-12-7	Anthracene	4.7	U	96.2	63.6	66	68.9	72	8	65-108/20
56-55-3	Benzo(a)anthracene	4.7	U	96.2	62.1	65*	68.9	72	10	66-111/22
50-32-8	Benzo(a)pyrene	4.7	U	96.2	61.2	64	68.4	71	11	62-107/23
205-99-2	Benzo(b)fluoranthene	4.7	U	96.2	62.4	65	71.5	74	14	65-114/23
191-24-2	Benzo(g,h,i)perylene	4.7	U	96.2	68.9	72	77.5	81	12	66-116/23
207-08-9	Benzo(k)fluoranthene	4.7	U	96.2	64.1	67	69.5	72	8	65-114/24
101-55-3	4-Bromophenyl phenyl ether	4.7	U	96.2	52.7	55*	58.2	61*	10	65-109/23
85-68-7	Butyl benzyl phthalate	4.7	U	96.2	64.1	67	70.0	73	9	65-112/24
100-51-6	Benzyl Alcohol	4.7	U	96.2	56.0	58	62.6	65	11	46-94/27
91-58-7	2-Chloronaphthalene	4.7	U	96.2	56.6	59	62.3	65	10	57-103/23
106-47-8	4-Chloroaniline	4.7	U	96.2	49.7	52	54.3	56	9	49-105/27
86-74-8	Carbazole	4.7	U	96.2	63.8	66	69.4	72	8	59-113/21
218-01-9	Chrysene	4.7	U	96.2	65.3	68	71.5	74	9	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	4.7	U	96.2	53.9	56	60.6	63	12	51-102/28
111-44-4	bis(2-Chloroethyl)ether	4.7	U	96.2	51.8	54	56.2	58	8	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	4.7	U	96.2	53.0	55	56.3	59	6	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	4.7	U	96.2	56.5	59*	60.4	63	7	62-105/20
95-50-1	1,2-Dichlorobenzene	4.7	U	96.2	51.7	54	55.7	58	7	48-97/24
541-73-1	1,3-Dichlorobenzene	4.7	U	96.2	53.3	55	57.7	60	8	45-95/25

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MS	X033442.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
OP50576-MSD	X033443.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
FA12608-3	X033436.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Compound	FA12608-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	4.7	U	96.2	55.3	58	59.4	62	7	45-98/25
121-14-2	2,4-Dinitrotoluene	4.7	U	96.2	59.6	62	65.0	68	9	61-110/21
606-20-2	2,6-Dinitrotoluene	4.7	U	96.2	58.2	61*	63.7	66	9	63-108/21
91-94-1	3,3'-Dichlorobenzidine	4.7	U	96.2	58.0	60	66.5	69	14	46-117/29
53-70-3	Dibenzo(a,h)anthracene	4.7	U	96.2	61.9	64*	69.3	72	11	66-119/24
132-64-9	Dibenzofuran	4.7	U	96.2	59.7	62	64.7	67	8	61-106/21
84-74-2	Di-n-butyl phthalate	4.7	U	96.2	58.8	61*	63.7	66	8	65-107/21
117-84-0	Di-n-octyl phthalate	4.7	U	96.2	54.9	57*	61.2	64	11	62-118/24
84-66-2	Diethyl phthalate	4.7	U	96.2	55.2	57*	60.7	63*	9	64-108/21
131-11-3	Dimethyl phthalate	4.7	U	96.2	57.6	60*	61.7	64	7	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	4.7	U	96.2	64.5	67	72.0	75	11	61-117/23
206-44-0	Fluoranthene	4.7	U	96.2	61.7	64	67.5	70	9	63-106/21
86-73-7	Fluorene	4.7	U	96.2	60.6	63	66.3	69	9	62-108/20
118-74-1	Hexachlorobenzene	4.7	U	96.2	62.6	65	69.4	72	10	63-108/22
87-68-3	Hexachlorobutadiene	4.7	U	96.2	54.6	57	60.2	63	10	42-102/28
77-47-4	Hexachlorocyclopentadiene	4.7	U	96.2	35.5	37*	43.4	45	20	39-102/29
67-72-1	Hexachloroethane	4.7	U	96.2	52.7	55	57.2	59	8	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	4.7	U	96.2	60.5	63*	67.5	70	11	64-119/24
78-59-1	Isophorone	4.7	U	96.2	51.8	54	56.6	59	9	43-87/25
90-12-0	1-Methylnaphthalene	4.7	U	96.2	54.0	56	58.3	61	8	53-102/27
91-57-6	2-Methylnaphthalene	4.7	U	96.2	56.2	58	61.7	64	9	51-102/26
88-74-4	2-Nitroaniline	4.7	U	96.2	65.1	68	70.7	74	8	54-128/24
99-09-2	3-Nitroaniline	4.7	U	96.2	63.6	66	69.7	72	9	56-106/27
100-01-6	4-Nitroaniline	4.7	U	96.2	58.3	61	62.4	65	7	55-120/24
91-20-3	Naphthalene	4.7	U	96.2	59.7	62	65.6	68	9	47-100/29
98-95-3	Nitrobenzene	4.7	U	96.2	52.5	55	57.2	59	9	50-104/28
621-64-7	N-Nitroso-di-n-propylamine	4.7	U	96.2	52.8	55	57.1	59	8	52-104/25
86-30-6	N-Nitrosodiphenylamine	4.7	U	96.2	62.6	65	68.2	71	9	64-108/23
85-01-8	Phenanthrene	4.7	U	96.2	64.0	67	69.7	72	9	66-110/21
129-00-0	Pyrene	4.7	U	96.2	60.9	63*	66.2	69	8	64-113/23
120-82-1	1,2,4-Trichlorobenzene	4.7	U	96.2	45.3	47	50.5	53	11	45-97/28

CAS No.	Surrogate Recoveries	MS	MSD	FA12608-3	Limits
367-12-4	2-Fluorophenol	44%	51%	32%	14-67%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50576-MS	X033442.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
OP50576-MSD	X033443.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574
FA12608-3	X033436.D	1	02/26/14	NJ	02/24/14	OP50576	SX1574

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12636-1, FA12636-4, FA12636-5

CAS No.	Surrogate Recoveries	MS	MSD	FA12608-3	Limits
4165-62-2	Phenol-d5	31%	38%	19%	10-50%
118-79-6	2,4,6-Tribromophenol	68%	75%	76%	33-118%
4165-60-0	Nitrobenzene-d5	57%	63%	64%	42-108%
321-60-8	2-Fluorobiphenyl	60%	66%	66%	40-106%
1718-51-0	Terphenyl-d14	73%	81%	85%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50588-MB	ST124404.D	1	02/25/14	MV	02/24/14	OP50588	GST2956

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12636-5

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	96%	38-127%
2051-24-3	Decachlorobiphenyl	92%	25-137%

Method Blank Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50639-MB	ST124571.D	1	02/28/14	MV	02/27/14	OP50639	GST2959

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12636-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	93%	38-127%
2051-24-3	Decachlorobiphenyl	93%	25-137%

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50588-BS	ST124403.D	1	02/25/14	MV	02/24/14	OP50588	GST2956

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12636-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.5	88	57-122
11096-82-5	Aroclor 1260	4	3.2	80	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	38-127%
2051-24-3	Decachlorobiphenyl	91%	25-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50639-BS	ST124570.D	1	02/28/14	MV	02/27/14	OP50639	GST2959

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12636-1A

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
11096-82-5	Aroclor 1260	4	3.4	85	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	94%	38-127%
2051-24-3	Decachlorobiphenyl	94%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50588-MS	ST124406.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
OP50588-MSD	ST124407.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
FA12619-2	ST124405.D	1	02/25/14	MV	02/24/14	OP50588	GST2956
FA12619-2 [a]	ST124459.D	4	02/26/14	MV	02/24/14	OP50588	GST2957

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12636-5

CAS No.	Compound	FA12619-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	4.5	60	4.1	54*	9	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	2.4	32*	2.1	28*	13	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12619-2	FA12619-2	Limits
877-09-8	Tetrachloro-m-xylene	74%	70%	40%	44%	38-127%
2051-24-3	Decachlorobiphenyl	32%	28%	13%* [c]	14%* [b]	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits.
(c) Outside control limits. Confirmed by reanalysis. Insufficient sample for re-extraction.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12636
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita,KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50639-MS	ST124573.D	1	02/28/14	MV	02/27/14	OP50639	GST2959
OP50639-MSD	ST124574.D	1	02/28/14	MV	02/27/14	OP50639	GST2959
FA12777-2	ST124572.D	1	02/28/14	MV	02/27/14	OP50639	GST2959

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12636-1A

CAS No.	Compound	FA12777-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
11096-82-5	Aroclor 1260	ND		7.69	6.5	84	7.0	91	7	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12777-2	Limits
877-09-8	Tetrachloro-m-xylene	93%	97%	87%	38-127%
2051-24-3	Decachlorobiphenyl	80%	76%	40%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	0.0	<6.0
Arsenic	10	2	2.4	-1.9	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50		
Chromium	10	1	2	0.20	<10
Cobalt	50	.5	.5	-0.30	<50
Copper	25	1	1		
Iron	300	17	17	-6.4	<300
Lead	5.0	1.1	1.1	-0.90	<5.0
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200	-15	<10000
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500	-16	<10000
Strontium	10	.4	.4	0.0	<10
Thallium	10	1.5	2		
Tin	50	.7	1		
Titanium	10	.9	1	-0.30	<10
Vanadium	50	.5	.5		
Zinc	20	3	3		

Associated samples MP26859: FA12636-1, FA12636-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/21/14					02/21/14	
Metal	FA12642-1 Original	DUP	RPD	QC Limits	FA12642-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	2.2	0.0	200.0(a)	0-20	2.2	524	500	104.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	50.4	50	100.8	80-120
Calcium	anr								
Chromium	0.0	0.0	NC	0-20	0.0	212	200	106.0	80-120
Cobalt	0.0	0.0	NC	0-20	0.0	517	500	103.4	80-120
Copper									
Iron	13800	13600	1.5	0-20	13800	39800	26000	100.0	80-120
Lead	0.0	0.0	NC	0-20	0.0	498	500	99.6	80-120
Magnesium	anr								
Manganese	116	114	1.7	0-20	116	638	500	104.4	80-120
Molybdenum									
Nickel									
Potassium	3920	3790	3.4	0-20	3920	29700	25000	103.1	80-120
Selenium									
Silver									
Sodium	6500	6380	1.9	0-20	6500	32100	25000	102.4	80-120
Strontium	184	183	0.5	0-20	184	693	500	101.8	80-120
Thallium									
Tin									
Titanium	1.8	1.8	0.0	0-20	1.8	525	500	104.6	80-120
Vanadium									
Zinc	anr								

Associated samples MP26859: FA12636-1, FA12636-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	FA12642-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	2.2	520	500	103.6	0.8	20
Arsenic	0.0	2060	2000	103.0	0.0	20
Barium						
Beryllium						
Cadmium	0.0	50.0	50	100.0	0.8	20
Calcium	anr					
Chromium	0.0	213	200	106.5	0.5	20
Cobalt	0.0	515	500	103.0	0.4	20
Copper						
Iron	13800	40100	26000	101.2	0.8	20
Lead	0.0	498	500	99.6	0.0	20
Magnesium	anr					
Manganese	116	636	500	104.0	0.3	20
Molybdenum						
Nickel						
Potassium	3920	29500	25000	102.3	0.7	20
Selenium						
Silver						
Sodium	6500	32000	25000	102.0	0.3	20
Strontium	184	691	500	101.4	0.3	20
Thallium						
Tin						
Titanium	1.8	526	500	104.8	0.2	20
Vanadium						
Zinc	anr					

Associated samples MP26859: FA12636-1, FA12636-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	504	500	100.8	80-120
Arsenic	2000	2000	100.0	80-120
Barium				
Beryllium				
Cadmium	50.6	50	101.2	80-120
Calcium	anr			
Chromium	209	200	104.5	80-120
Cobalt	511	500	102.2	80-120
Copper				
Iron	26500	26000	101.9	80-120
Lead	493	500	98.6	80-120
Magnesium	anr			
Manganese	522	500	104.4	80-120
Molybdenum				
Nickel				
Potassium	25000	25000	100.0	80-120
Selenium				
Silver				
Sodium	25000	25000	100.0	80-120
Strontium	499	500	99.8	80-120
Thallium				
Tin				
Titanium	513	500	102.6	80-120
Vanadium				
Zinc	anr			

Associated samples MP26859: FA12636-1, FA12636-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	FA12642-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	2.20	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper				
Iron	13800	14400	4.3	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	anr			
Manganese	116	121	4.7	0-10
Molybdenum				
Nickel				
Potassium	3920	3820	2.4	0-10
Selenium				
Silver				
Sodium	6500	6400	1.5	0-10
Strontium	184	190	3.3	0-10
Thallium				
Tin				
Titanium	1.80	0.00	100.0(a)	0-10
Vanadium				
Zinc	anr			

Associated samples MP26859: FA12636-1, FA12636-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26859
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/21/14

Metal	Sample ml	Final ml	FA12642-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	2.2	2.156	106.2	0.2	5	100	104.0	80-120
Arsenic	9.8	10			105.4	0.2	5	100	105.4	80-120
Barium										
Beryllium										
Cadmium	9.8	10			51.8	0.2	2.5	50	103.6	80-120
Calcium										
Chromium	9.8	10			52.8	0.2	2.5	50	105.6	80-120
Cobalt	9.8	10			51.4	0.2	2.5	50	102.8	80-120
Copper										
Iron	9.8	10	13800	13524	16360	0.2	150	3000	94.5	80-120
Lead	9.8	10			48.2	0.2	2.5	50	96.4	80-120
Magnesium										
Manganese	9.8	10	115.9	113.582	166.7	0.2	2.5	50	106.2	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	3916	3837.68	13850	0.2	500	10000	100.1	80-120
Selenium										
Silver										
Sodium	9.8	10	6497	6367.06	16810	0.2	500	10000	104.4	80-120
Strontium	9.8	10	184	180.32	230.4	0.2	2.5	50	100.2	80-120
Thallium										
Tin										
Titanium	9.8	10	1.8	1.764	106.5	0.2	5	100	104.7	80-120
Vanadium										
Zinc										

Associated samples MP26859: FA12636-1, FA12636-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date:				02/24/14		02/24/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.50	.03	.03	0.0045	<0.50	0.016	<0.50

Associated samples MP26861: FA12636-1, FA12636-4, FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/24/14 02/24/14

Metal	FA12620-1 Original	DUP	RPD	QC Limits	FA12620-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	1.4	1.5	6.9	0-20	1.4	4.3	3	96.7	80-120

Associated samples MP26861: FA12636-1, FA12636-4, FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/24/14

Metal	FA12620-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	1.4	4.5	3	103.3	4.5	20

Associated samples MP26861: FA12636-1, FA12636-4, FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/24/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26861: FA12636-1, FA12636-4, FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26861
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/24/14

Metal	FA12620-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	1.43	0.853	40.1 (a)	0-10

Associated samples MP26861: FA12636-1, FA12636-4, FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26868
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				02/25/14		02/25/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15				
Antimony	6.0	2	2.3	0.40	<6.0	-1.0	<6.0
Arsenic	10	2	2.4	-0.30	<10	-2.0	<10
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5	0.0	<5.0	0.0	<5.0
Calcium	1000	50	50				
Chromium	10	1	2	0.10	<10	0.0	<10
Cobalt	50	.5	.5	-0.20	<50	-0.20	<50
Copper	25	1	1				
Iron	300	17	17	-12	<300	-15	<300
Lead	5.0	1.1	1.1	-0.30	<5.0	-0.60	<5.0
Magnesium	5000	50	56				
Manganese	15	.5	1	0.0	<15	0.10	<15
Molybdenum	50	.5	.5				
Nickel	40	.5	.5				
Potassium	10000	200	200	-18	<10000	-5.8	<10000
Selenium	10	2.3	2.3				
Silver	10	.65	.77				
Sodium	10000	500	500	14.4	<10000	75.7	<10000
Strontium	10	.4	.4	0.10	<10	0.10	<10
Thallium	10	1.5	2				
Tin	50	.7	1				
Titanium	10	.9	1	-0.10	<10	-0.20	<10
Vanadium	50	.5	.5				
Zinc	20	3	3				

Associated samples MP26868: FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26868
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/25/14					02/25/14	
Metal	FA12722-1 Original	DUP	RPD	QC Limits	FA12722-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	510	500	102.0	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2010	2000	100.5	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	50.0	50	100.0	80-120
Calcium	anr								
Chromium	0.0	0.0	NC	0-20	0.0	214	200	107.0	80-120
Cobalt	0.0	0.0	NC	0-20	0.0	520	500	104.0	80-120
Copper	anr								
Iron	0.0	0.0	NC	0-20	0.0	26200	26000	100.8	80-120
Lead	0.0	0.0	NC	0-20	0.0	500	500	100.0	80-120
Magnesium	anr								
Manganese	0.0	0.0	NC	0-20	0.0	515	500	103.0	80-120
Molybdenum									
Nickel									
Potassium	706	699	1.0	0-20	706	27400	25000	106.8	80-120
Selenium	anr								
Silver	anr								
Sodium	1540	1540	0.0	0-20	1540	28100	25000	106.2	80-120
Strontium	274	272	0.7	0-20	274	793	500	103.8	80-120
Thallium									
Tin									
Titanium	2.2	2.0	9.5	0-20	2.2	518	500	103.2	80-120
Vanadium									
Zinc	anr								

Associated samples MP26868: FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26868
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/25/14

Metal	FA12722-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	501	500	100.2	1.8	20
Arsenic	0.0	1990	2000	99.5	1.0	20
Barium	anr					
Beryllium						
Cadmium	0.0	49.5	50	99.0	1.0	20
Calcium	anr					
Chromium	0.0	212	200	106.0	0.9	20
Cobalt	0.0	515	500	103.0	1.0	20
Copper	anr					
Iron	0.0	25600	26000	98.5	2.3	20
Lead	0.0	495	500	99.0	1.0	20
Magnesium	anr					
Manganese	0.0	510	500	102.0	1.0	20
Molybdenum						
Nickel						
Potassium	706	26700	25000	104.0	2.6	20
Selenium	anr					
Silver	anr					
Sodium	1540	27700	25000	104.6	1.4	20
Strontium	274	774	500	100.0	2.4	20
Thallium						
Tin						
Titanium	2.2	511	500	101.8	1.4	20
Vanadium						
Zinc	anr					

Associated samples MP26868: FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26868
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/25/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	489	500	97.8	80-120
Arsenic	1940	2000	97.0	80-120
Barium	anr			
Beryllium				
Cadmium	48.6	50	97.2	80-120
Calcium	anr			
Chromium	207	200	103.5	80-120
Cobalt	504	500	100.8	80-120
Copper	anr			
Iron	25300	26000	97.3	80-120
Lead	486	500	97.2	80-120
Magnesium	anr			
Manganese	498	500	99.6	80-120
Molybdenum				
Nickel				
Potassium	25300	25000	101.2	80-120
Selenium	anr			
Silver	anr			
Sodium	25200	25000	100.8	80-120
Strontium	502	500	100.4	80-120
Thallium				
Tin				
Titanium	496	500	99.2	80-120
Vanadium				
Zinc	anr			

Associated samples MP26868: FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26868
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/25/14

Metal	FA12722-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	anr			
Iron	0.00	0.00	NC	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	anr			
Manganese	0.00	0.00	NC	0-10
Molybdenum				
Nickel				
Potassium	706	0.00	100.0(a)	0-10
Selenium	anr			
Silver	anr			
Sodium	1540	0.00	100.0(a)	0-10
Strontium	274	278	1.8	0-10
Thallium				
Tin				
Titanium	2.20	0.00	100.0(a)	0-10
Vanadium				
Zinc	anr			

Associated samples MP26868: FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12636
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26868
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/25/14

Metal	Sample ml	Final ml	FA12722-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			100.2	0.2	5	100	100.2	80-120
Arsenic	9.8	10			99.5	0.2	5	100	99.5	80-120
Barium										
Beryllium										
Cadmium	9.8	10			50.1	0.2	2.5	50	100.2	80-120
Calcium										
Chromium	9.8	10			52.9	0.2	2.5	50	105.8	80-120
Cobalt	9.8	10			50.6	0.2	2.5	50	101.2	80-120
Copper										
Iron	9.8	10			2956	0.2	150	3000	98.5	80-120
Lead	9.8	10			48.4	0.2	2.5	50	96.8	80-120
Magnesium										
Manganese	9.8	10			51.3	0.2	2.5	50	102.6	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	705.9	691.782	10840	0.2	500	10000	101.5	80-120
Selenium										
Silver										
Sodium	9.8	10	1538	1507.24	12100	0.2	500	10000	105.9	80-120
Strontium	9.8	10	273.5	268.03	318.1	0.2	2.5	50	100.1	80-120
Thallium										
Tin										
Titanium	9.8	10	2.2	2.156	101.7	0.2	5	100	99.5	80-120
Vanadium										
Zinc										

Associated samples MP26868: FA12636-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

March 06, 2014

Muna Mohammed
Accutest Laboratories
4405 Vineland Road Suite C-15
Orlando, FL 32811
TEL: 407-425-6700
FAX: 407-425-0707

RE: FA12775X 2/26

Order No.: 14022217

Dear Muna Mohammed:

Summit Environmental Technologies, Inc. received 3 sample(s) on 2/28/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dr. Mo Osman
Project Manager
3310 Win St.
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **14022217**

07-Mar-14

CLIENT: Accutest Laboratories
Project: FA12775X 2/26

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14022217-001	BLD D NT 13 INT		2/26/2014 4:10:00 PM	2/28/2014 10:05:00 AM	Non-Potable Water
14022217-002	BLD D NT 11 INT		2/26/2014 4:50:00 PM	2/28/2014 10:05:00 AM	Non-Potable Water
14022217-003	BLD D NT 15B INT		2/26/2014 5:25:00 PM	2/28/2014 10:05:00 AM	Non-Potable Water

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Case Narrative

WO#: **14022217**
Date: **3/6/2014**

CLIENT: Accutest Laboratories
Project: FA12775X 2/26

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc. Work Order Number assigned to this report.

Paginated Report including: Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports and copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the Limit of Quantitation (LOQ) but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **14022217**
Date Reported: **3/6/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/28/2014
Project#: FA12775X 2/26

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
BLD D NT 13 INT	001	2/26/2014	2378-TCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	1.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	12378-PeCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	23478-PeCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	123478-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	123678-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	234678-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	123789-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	1234678-HpCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	1234789-HpCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	OCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	10	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	2378-TCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	1.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	12378-PeCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	123478-HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	123678-HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	123789HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	1234678-HpCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	OCDD	11	pg/L	Non-Potable Water	EPA 8290 A	1	10	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Tetrafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM

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WO#: **14022217**
Date Reported: **3/6/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/28/2014
Project#: FA12775X 2/26

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
BLD D NT 13 INT	001	2/26/2014	Totals-Tetradioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Pentafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Pentadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Hexafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Hexadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Heptafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	Totals-Heptadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 13 INT	001	2/26/2014	TEQ	5.7	pg/L	Non-Potable Water	EPA 8290 A	1		3/5/2014	CM

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
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WO#: **14022217**
Date Reported: **3/6/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/28/2014
Project#: FA12775X 2/26

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
BLD D NT 11 INT	002	2/26/2014	2378-TCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	1.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	12378-PeCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	23478-PeCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	123478-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	123678-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	234678-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	123789-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	1234678-HpCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	1234789-HpCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	OCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	10	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	2378-TCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	1.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	12378-PeCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	123478-HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	123678-HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	123789HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	1234678-HpCDD	12	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	OCDD	110	pg/L	Non-Potable Water	EPA 8290 A	1	10	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Tetrafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM

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WO#: **14022217**
Date Reported: **3/6/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/28/2014
Project#: FA12775X 2/26

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
BLD D NT 11 INT	002	2/26/2014	Totals-Tetradioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Pentafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Pentadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Hexafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Hexadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Heptafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	Totals-Heptadioxins	24	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/5/2014	CM
BLD D NT 11 INT	002	2/26/2014	TEQ	5.8	pg/L	Non-Potable Water	EPA 8290 A	1		3/5/2014	CM

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **14022217**
Date Reported: **3/6/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/28/2014
Project#: FA12775X 2/26

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
BLD D NT 15B INT	003	2/26/2014	2378-TCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	1.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	12378-PeCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	23478-PeCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	123478-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	123678-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	234678-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	123789-HxCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	1234678-HpCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	1234789-HpCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	OCDF	ND	pg/L	Non-Potable Water	EPA 8290 A	1	10	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	2378-TCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	1.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	12378-PeCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	123478-HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	123678-HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	123789HxCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	1234678-HpCDD	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	OCDD	56	pg/L	Non-Potable Water	EPA 8290 A	1	10	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Tetrafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM

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WO#: **14022217**
Date Reported: **3/6/2014**
Company: Accutest Laboratories
Address: 4405 Vineland Road Suite C-15
Orlando FL 32811
Received: 2/28/2014
Project#: FA12775X 2/26

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
BLD D NT 15B INT	003	2/26/2014	Totals-Tetradioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Pentafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Pentadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Hexafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Hexadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Heptafurans	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	Totals-Heptadioxins	ND	pg/L	Non-Potable Water	EPA 8290 A	1	5.0	3/6/2014	CM
BLD D NT 15B INT	003	2/26/2014	TEQ	5.7	pg/L	Non-Potable Water	EPA 8290 A	1		3/6/2014	CM

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14022217**

07-Mar-14

Client: Accutest Laboratories
Project: FA12775X 2/26 **TestCode:** **DX-Full_NPW(8290)**

Sample ID **LCS-R14236**	SampType: **LCS**	TestCode: **DX-Full_NPW**	Units: **pg/L**	Prep Date:	RunNo: **14236**
Client ID: **LCSW**	Batch ID: **3615**	TestNo: **SW8290**	**SW8290**	Analysis Date: **3/5/2014**	SeqNo: **161832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	11	1.0	10.00	0	107	70	130				
12378-PeCDF	57	5.0	50.00	0	114	70	130				
23478-PeCDF	54	5.0	50.00	0	108	70	130				
123478-HxCDF	55	5.0	50.00	0	110	70	130				
123678-HxCDF	52	5.0	50.00	0	103	70	130				
234678-HxCDF	51	5.0	50.00	0	102	70	130				
123789-HxCDF	52	5.0	50.00	0	104	70	130				
1234678-HpCDF	49	5.0	50.00	0	98.0	70	130				
1234789-HpCDF	49	5.0	50.00	0	97.9	70	130				
OCDF	110	10	100.0	0	110	70	130				
2378-TCDD	9.5	1.0	10.00	0	95.3	70	130				
12378-PeCDD	57	5.0	50.00	0	114	70	130				
123478-HxCDD	61	5.0	50.00	0	122	70	130				
123678-HxCDD	58	5.0	50.00	0	115	70	130				
123789HxCDD	56	5.0	50.00	0	112	70	130				
1234678-HpCDD	59	5.0	50.00	0	117	70	130				
OCDD	110	10	100.0	0	111	70	130				

Sample ID **LCSD-R14236**	SampType: **LCSD**	TestCode: **DX-Full_NPW**	Units: **pg/L**	Prep Date:	RunNo: **14236**
Client ID: **LCSS02**	Batch ID: **3615**	TestNo: **SW8290**	**SW8290**	Analysis Date: **3/5/2014**	SeqNo: **161833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	11	1.0	10.00	0	111	70	130	10.66	3.75	20	
12378-PeCDF	57	5.0	50.00	0	114	70	130	57.20	0.0841	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14022217**

07-Mar-14

Client: Accutest Laboratories
Project: FA12775X 2/26 **TestCode:** **DX-Full_NPW(8290)**

Sample ID **LCSD-R14236** SampType: **LCSD** TestCode: **DX-Full_NPW** Units: **pg/L** Prep Date: RunNo: **14236**
Client ID: **LCSS02** Batch ID: **3615** TestNo: **SW8290** **SW8290** Analysis Date: **3/5/2014** SeqNo: **161833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
23478-PeCDF	56	5.0	50.00	0	113	70	130	54.01	4.48	20	
123478-HxCDF	55	5.0	50.00	0	110	70	130	55.09	0.382	20	
123678-HxCDF	53	5.0	50.00	0	106	70	130	51.67	2.08	20	
234678-HxCDF	54	5.0	50.00	0	108	70	130	51.22	4.98	20	
123789-HxCDF	55	5.0	50.00	0	110	70	130	52.01	5.83	20	
1234678-HpCDF	49	5.0	50.00	0	98.3	70	130	49.02	0.273	20	
1234789-HpCDF	55	5.0	50.00	0	111	70	130	48.93	12.3	20	
OCDF	110	10	100.0	0	113	70	130	110.0	3.14	20	
2378-TCDD	9.2	1.0	10.00	0	91.8	70	130	9.527	3.71	20	
12378-PeCDD	56	5.0	50.00	0	113	70	130	56.84	1.00	20	
123478-HxCDD	63	5.0	50.00	0	126	70	130	60.99	3.18	20	
123678-HxCDD	58	5.0	50.00	0	116	70	130	57.69	0.199	20	
123789HxCDD	56	5.0	50.00	0	113	70	130	55.87	0.726	20	
1234678-HpCDD	62	5.0	50.00	0	124	70	130	58.60	5.26	20	
OCDD	110	10	100.0	0	112	70	130	111.0	1.14	20	

Sample ID **MB-R14236** SampType: **MBLK** TestCode: **DX-Full_NPW** Units: **pg/L** Prep Date: RunNo: **14236**
Client ID: **PBW** Batch ID: **3615** TestNo: **SW8290** **SW8290** Analysis Date: **3/5/2014** SeqNo: **161834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2378-TCDF	ND	1.0									
12378-PeCDF	ND	5.0									
23478-PeCDF	ND	5.0									
123478-HxCDF	ND	5.0									

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **14022217**

07-Mar-14

Client: Accutest Laboratories
Project: FA12775X 2/26 **TestCode:** **DX-Full_NPW(8290)**

Sample ID	**MB-R14236**	SampType:	**MBLK**	TestCode:	**DX-Full_NPW**	Units:	**pg/L**	Prep Date:		RunNo:	**14236**
Client ID:	**PBW**	Batch ID:	**3615**	TestNo:	**SW8290**	**SW8290**		Analysis Date:	**3/5/2014**	SeqNo:	**161834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
123678-HxCDF	ND	5.0									
234678-HxCDF	ND	5.0									
123789-HxCDF	ND	5.0									
1234678-HpCDF	ND	5.0									
1234789-HpCDF	ND	5.0									
OCDF	ND	10									
2378-TCDD	ND	1.0									
12378-PeCDD	ND	5.0									
123478-HxCDD	ND	5.0									
123678-HxCDD	ND	5.0									
123789HxCDD	ND	5.0									
1234678-HpCDD	ND	5.0									
OCDD	ND	10									
Totals-Tetrafurans	ND	5.0									
Totals-Tetradioxins	ND	5.0									
Totals-Pentafurans	ND	5.0									
Totals-Pentadioxins	ND	5.0									
Totals-Hexafurans	ND	5.0									
Totals-Hexadioxins	ND	5.0									
Totals-Heptafurans	ND	5.0									
Totals-Heptadioxins	ND	5.0									

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Original

Accutest Laboratories Southeast
Subcontract Chain of Custody

ACCUTEST Laboratories

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX 407-425-0707
www.accutest.com

PAGE 1 OF 1

Client / Reporting Information

Company Name: Accutest Laboratories
Address: 4405 Vineland Rd.
City: Orlando State: FL Zip: 32811
Phone #: (407) 425-6700 Fax#: (407) 425-0707

Project Information

Project Name: FA12775X
Please send report to dawnd@accutest.com
For any other issues contact munam@accutest.com

Analytical Information

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Lab ID #	Sample ID	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	CONTAINER INFORMATION TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	B8290TODF	LAB USE ONLY
4X	BLD D NT 13 INT	2/26/14	16:10		WW	2		X								X	
5X	BLD D NT 11 INT	2/26/14	16:50		WW	2		X								X	
6X	BLD D NT 15B INT	2/26/14	17:25		WW	2		X								X	

140222217-001-003JF

Turnaround Time (Business days)

Std. 10 Business Days
7 Day *RUSH*
5 Day *RUSH*
3 Day *EMERGENCY*
2 Day *EMERGENCY*
1 Day *EMERGENCY*
Other

Approved By: / Date/Rush Code:
Per 3/5/14

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☒ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULLT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

Ship to Laboratory - Savannah
Approved by -

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1	02-27-14 1700	2	3		4
Relinquished by/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
5		6	7	2/28/14 1005	8 ST

Lab Use Only : Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved Where Applicable: Y N Total # of Coolers: ____ Cooler Temperature (s) Celsius: ____

Rev. 12
Date: 07/27/13

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Initials of person inspecting cooler and samples: JH

Client: Accutest

Order Number:

Date Received: 2/28 Time Received: 1005 Date cooler(s) opened and samples inspected: 2/28

Number of Coolers/Boxes: 1 N/A

Shipper: (FED EX) UPS DHL Airborne US Postal Walk-in Pickup Other:

Packaging: Peanuts (Bubble Wrap) Paper Foam None Other:

Tape on cooler/box.	(Y)	N	N/A
Custody Seals intact	(Y)	N	N/A
C-O-C in plastic	(Y)	N	N/A
Ice (X) Blue ice ____	(present) / absent / melted		N/A
Sample Temperature IR Gun #16020459 CF 0.0°C	3.7 °C		N/A
Radiological Testing Instrument serial #35127 (see page 2 for scan results)	Y	N	(N/A)

**Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.

C-O-C filled out properly	(Y)	N	N/A
Samples in separate bags	(Y)	N	N/A
Sample containers intact*	(Y)	N	N/A

*If no, list broken sample(s):

Sample label(s) complete (ID, date, etc.)	(Y)	N	N/A
Label(s) agree with C-O-C	(Y)	N	N/A
Correct containers used	(Y)	N	N/A
Sufficient sample received	(Y)	N	N/A
Bubbles absent from 40 mL vials**	Y	N	(N/A)

** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm.

Was client contacted about samples	Y	N
Will client send new samples	Y	N

Client contact:

Date/Time:

Logged in by:

Comments:

Rev. 12
Date: 07/27/13

Summit Environmental Technologies, Inc.
Sample Receipt

pH test on samples

Client ID	Test	pH
BLD D NT 13 INT	68290TOF	8
11 INT		8
1513 INT		8

Radiological scan on sample

Client ID	scan	CPM

Southeast
ACCUTEST LABORATORIES

02/12/14

Technical Report for

ISI Environmental Services

Clean Harbors; KS

Accutest Job Number: FA12102

Sampling Date: 01/29/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **131**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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8.2: Prep QC MP26766: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se, Ag,Na,Sr,Tl,Sn,Ti,V,Zn 116
8.3: Prep QC MP26787: Hg 122
8.4: Prep QC MP26808: Hg 127

Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; KS

Job No: FA12102

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12102-1	01/29/14	14:30	BG	01/31/14	AQ	Water	BLD D NT EXT NORTH
FA12102-2	01/29/14	14:50	BG	01/31/14	AQ	Water	BLD D NT EXT CENTER
FA12102-3	01/29/14	15:10	BG	01/31/14	AQ	Water	BLD D NT EXT SOUTH
FA12102-4	01/29/14	16:05	BG	01/31/14	AQ	Water	BLD D RM 4
FA12102-5	01/29/14	16:45	BG	01/31/14	AQ	Water	BLD D RM 3
FA12102-6	01/29/14	00:00	BG	01/31/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA12102
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12102-1	**BLD D NT EXT NORTH**					
Benzene		1.3	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.45 J	1.0	0.28	ug/l	SW846 8260B
Naphthalene		1.3 J	3.0	1.0	ug/l	SW846 8260B
Toluene		2.1	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		0.74 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.47 J	1.0	0.20	ug/l	SW846 8260B
2-Chlorophenol		0.59 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		0.48 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		1.0 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		1.5 J	4.7	1.1	ug/l	SW846 8270D
Phenol		6.5	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		0.85 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		2.1 J	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		0.72 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		1.1 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		2.2 J	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene		0.56 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.3 J	4.7	0.47	ug/l	SW846 8270D
Aroclor 1260 [a]		0.27 J	0.47	0.19	ug/l	SW846 8082A
Aluminum		1580	200		ug/l	SW846 6010C
Calcium		44600	1000		ug/l	SW846 6010C
Chromium		55.8	10		ug/l	SW846 6010C
Copper		58.9	25		ug/l	SW846 6010C
Iron		18300	300		ug/l	SW846 6010C
Lead		181	5.0		ug/l	SW846 6010C
Magnesium		15200	5000		ug/l	SW846 6010C
Manganese		222	15		ug/l	SW846 6010C
Mercury		1.1	0.50		ug/l	SW846 7470A
Sodium		92300	20000		ug/l	SW846 6010C
Strontium		296	10		ug/l	SW846 6010C
Titanium		42.4	10		ug/l	SW846 6010C
Zinc		4560	20		ug/l	SW846 6010C
FA12102-2	**BLD D NT EXT CENTER**					
Benzene		1.1	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.52 J	1.0	0.28	ug/l	SW846 8260B
Naphthalene		1.4 J	3.0	1.0	ug/l	SW846 8260B
Toluene		2.4	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.1 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.71 J	1.0	0.20	ug/l	SW846 8260B
2,4-Dimethylphenol		0.53 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		0.85 J	4.7	0.47	ug/l	SW846 8270D

Summary of Hits

Job Number: FA12102
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/29/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
3&4-Methylphenol	1.4 J	4.7	1.1	ug/l	SW846 8270D
Phenol	14.4	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate	0.79 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol	1.4 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	4.0 J	4.7	1.5	ug/l	SW846 8270D
Naphthalene	1.0 J	4.7	0.47	ug/l	SW846 8270D
Aluminum	679	200		ug/l	SW846 6010C
Calcium	37100	1000		ug/l	SW846 6010C
Chromium	23.8	10		ug/l	SW846 6010C
Copper	40.7	25		ug/l	SW846 6010C
Iron	1900	300		ug/l	SW846 6010C
Lead	92.8	5.0		ug/l	SW846 6010C
Magnesium	15100	5000		ug/l	SW846 6010C
Manganese	48.7	15		ug/l	SW846 6010C
Mercury	0.75	0.50		ug/l	SW846 7470A
Sodium	91000	20000		ug/l	SW846 6010C
Strontium	238	10		ug/l	SW846 6010C
Titanium	19.6	10		ug/l	SW846 6010C
Zinc	2380	20		ug/l	SW846 6010C
FA12102-3 BLD D NT EXT SOUTH					
Benzene	0.29 J	1.0	0.24	ug/l	SW846 8260B
Toluene	0.62 J	1.0	0.20	ug/l	SW846 8260B
o-Xylene	0.22 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid	63.4	47	9.4	ug/l	SW846 8270D
2-Chlorophenol	4.8	4.7	0.49	ug/l	SW846 8270D
3&4-Methylphenol	4.0 J	4.7	1.1	ug/l	SW846 8270D
Phenol	251	19	1.9	ug/l	SW846 8270D
Butyl benzyl phthalate	1.1 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol	2.8 J	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene	1.5 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate	1.6 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate	1.3 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	6.0	4.7	1.5	ug/l	SW846 8270D
alpha-Chlordane [a]	0.042 J	0.047	0.0047	ug/l	SW846 8081B
Dieldrin [b]	0.018 J	0.047	0.0047	ug/l	SW846 8081B
Aroclor 1260 [a]	0.58	0.47	0.19	ug/l	SW846 8082A
Aluminum	1510	200		ug/l	SW846 6010C
Cadmium	5.2	5.0		ug/l	SW846 6010C
Calcium	45000	1000		ug/l	SW846 6010C
Chromium	38.5	10		ug/l	SW846 6010C
Copper	65.8	25		ug/l	SW846 6010C
Iron	4430	300		ug/l	SW846 6010C
Lead	166	5.0		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12102
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		16100	5000		ug/l	SW846 6010C
Manganese		103	15		ug/l	SW846 6010C
Mercury		1.5	0.50		ug/l	SW846 7470A
Sodium		101000	20000		ug/l	SW846 6010C
Strontium		272	10		ug/l	SW846 6010C
Tin		176	50		ug/l	SW846 6010C
Titanium		54.5	10		ug/l	SW846 6010C
Zinc		8800	20		ug/l	SW846 6010C
FA12102-4	**BLD D RM 4**					
Benzene		1.7	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.48 J	1.0	0.28	ug/l	SW846 8260B
Naphthalene		1.3 J	3.0	1.0	ug/l	SW846 8260B
1,1,1-Trichloroethane		0.41 J	1.0	0.34	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.69 J	2.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		0.49 J	1.0	0.26	ug/l	SW846 8260B
Toluene		2.5	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.6 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.82 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		58.4	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		0.73 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		3.4 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		1.4 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		5.3	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.78 J	4.7	0.56	ug/l	SW846 8270D
Phenol		24.9	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		5.0	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		7.4	4.7	0.94	ug/l	SW846 8270D
2,6-Dinitrotoluene		1.1 J	4.7	0.59	ug/l	SW846 8270D
Di-n-butyl phthalate		2.2 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.7 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		45.7	4.7	1.5	ug/l	SW846 8270D
2-Methylnaphthalene		0.53 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.2 J	4.7	0.47	ug/l	SW846 8270D
Dieldrin [b]		0.0063 J	0.047	0.0047	ug/l	SW846 8081B
Heptachlor epoxide [a]		0.013 J	0.047	0.0047	ug/l	SW846 8081B
Aroclor 1260 [a]		0.49	0.47	0.19	ug/l	SW846 8082A
2,4-D [c]		7.6 J	9.3	1.7	ug/l	SW846 8151A
Pentachlorophenol [c]		0.37 J	0.93	0.22	ug/l	SW846 8151A
Aluminum		6050	200		ug/l	SW846 6010C
Antimony		26.5	6.0		ug/l	SW846 6010C
Barium		432	200		ug/l	SW846 6010C
Cadmium		38.8	5.0		ug/l	SW846 6010C
Calcium		106000	1000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12102
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		475	10		ug/l	SW846 6010C
Cobalt		76.2	50		ug/l	SW846 6010C
Copper		201	25		ug/l	SW846 6010C
Iron		10500	300		ug/l	SW846 6010C
Lead		1600	5.0		ug/l	SW846 6010C
Magnesium		18400	5000		ug/l	SW846 6010C
Manganese		603	15		ug/l	SW846 6010C
Mercury		16.2	2.5		ug/l	SW846 7470A
Potassium		29400	10000		ug/l	SW846 6010C
Sodium		166000	40000		ug/l	SW846 6010C
Strontium		576	10		ug/l	SW846 6010C
Titanium		164	10		ug/l	SW846 6010C
Zinc		6310	20		ug/l	SW846 6010C
FA12102-5	**BLD D RM 3**					
2,4-Dimethylphenol [d]		7.5 J	19	1.9	ug/l	SW846 8270D
3&4-Methylphenol [d]		5.1 J	19	4.4	ug/l	SW846 8270D
Phenol [d]		19.0	19	1.9	ug/l	SW846 8270D
Butyl benzyl phthalate [d]		9.6 J	19	3.1	ug/l	SW846 8270D
Benzyl Alcohol [d]		11.1 J	19	3.8	ug/l	SW846 8270D
Diethyl phthalate [d]		5.7 J	19	3.8	ug/l	SW846 8270D
Dimethyl phthalate [d]		5.3 J	19	2.4	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate [d]		109	19	6.0	ug/l	SW846 8270D
N-Nitroso-di-n-propylamine [d]		20.2	19	1.9	ug/l	SW846 8270D
Aroclor 1260 [e]		3.0	0.47	0.19	ug/l	SW846 8082A
2,4-D [f]		6.2 J	19	3.4	ug/l	SW846 8151A
Aluminum		8400	200		ug/l	SW846 6010C
Antimony		32.2	6.0		ug/l	SW846 6010C
Arsenic		12.4	10		ug/l	SW846 6010C
Barium		717	200		ug/l	SW846 6010C
Cadmium		39.9	5.0		ug/l	SW846 6010C
Calcium		189000	1000		ug/l	SW846 6010C
Chromium		662	10		ug/l	SW846 6010C
Cobalt		154	50		ug/l	SW846 6010C
Copper		314	25		ug/l	SW846 6010C
Iron		13900	300		ug/l	SW846 6010C
Lead		2160	5.0		ug/l	SW846 6010C
Magnesium		20800	5000		ug/l	SW846 6010C
Manganese		582	15		ug/l	SW846 6010C
Mercury		35.2	5.0		ug/l	SW846 7470A
Nickel		93.0	40		ug/l	SW846 6010C
Potassium		64000	10000		ug/l	SW846 6010C
Sodium		232000	50000		ug/l	SW846 6010C
Strontium		886	10		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12102
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Titanium		277	10		ug/l	SW846 6010C
Zinc		5380	20		ug/l	SW846 6010C

FA12102-6 **TRIP BLANK**

No hits reported in this sample.

(a) All hits confirmed by dual column analysis.
(b) All hits confirmed by dual column analysis. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(d) Dilution required due to matrix interference.
(e) All hits confirmed by dual column analysis. Sample confirmed by re-extraction and reanalysis.
(f) All hits confirmed by dual column analysis. Dilution required due to matrix interference. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17820.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.3	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT NORTH
Lab Sample ID: FA12102-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.45	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.3	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	2.1	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.74	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.47	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	88%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043366.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	0.59	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.48	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	1.0	4.7	0.47	ug/l	J
	3&4-Methylphenol	1.5	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	6.5	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	0.85	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	2.1	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT NORTH
Lab Sample ID: FA12102-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	0.72	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.1	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	4.7	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.56	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.3	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	97%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043324.D	5	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	4.7	0.85	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.47	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.47	0.14	ug/l	
1918-00-9	Dicamba	ND	0.47	0.13	ug/l	
88-85-7	Dinoseb	ND	9.3	2.3	ug/l	
75-99-0	Dalapon	ND	12	4.7	ug/l	
120-36-5	Dichloroprop	ND	4.7	0.98	ug/l	
94-82-6	2,4-DB	ND	4.7	1.5	ug/l	
93-65-2	MCPP	ND	470	60	ug/l	
94-74-6	MCPA	ND	470	98	ug/l	
87-86-5	Pentachlorophenol	ND	0.47	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	119%		33-145%

(a) Dilution required due to matrix interference.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61498.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		42-127%
2051-24-3	Decachlorobiphenyl	43%		27-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT NORTH		
Lab Sample ID:	FA12102-1	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124025.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.27	0.47	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		38-127%
2051-24-3	Decachlorobiphenyl	56%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT NORTH
Lab Sample ID: FA12102-1
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1580	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	44600	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	55.8	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	58.9	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	18300	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	181	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	15200	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	222	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.1	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	92300	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	296	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	42.4	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	4560	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17821.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.1	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT CENTER
Lab Sample ID: FA12102-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.52	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.4	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	2.4	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.1	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.71	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043367.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.53	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.85	4.7	0.47	ug/l	J
	3&4-Methylphenol	1.4	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	14.4	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	0.79	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	1.4	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT CENTER
Lab Sample ID: FA12102-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.0	4.7	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.0	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		14-67%
4165-62-2	Phenol-d5	18%		10-50%
118-79-6	2,4,6-Tribromophenol	76%		33-118%
4165-60-0	Nitrobenzene-d5	57%		42-108%
321-60-8	2-Fluorobiphenyl	57%		40-106%
1718-51-0	Terphenyl-d14	90%		39-121%

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043325.D	5	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	4.7	0.85	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.47	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.47	0.14	ug/l	
1918-00-9	Dicamba	ND	0.47	0.13	ug/l	
88-85-7	Dinoseb	ND	9.3	2.3	ug/l	
75-99-0	Dalapon	ND	12	4.7	ug/l	
120-36-5	Dichloroprop	ND	4.7	0.98	ug/l	
94-82-6	2,4-DB	ND	4.7	1.5	ug/l	
93-65-2	MCPP	ND	470	60	ug/l	
94-74-6	MCPA	ND	470	98	ug/l	
87-86-5	Pentachlorophenol	ND	0.47	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	105%		33-145%

(a) Dilution required due to matrix interference.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61499.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		42-127%
2051-24-3	Decachlorobiphenyl	71%		27-127%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT CENTER		
Lab Sample ID:	FA12102-2	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124026.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		38-127%
2051-24-3	Decachlorobiphenyl	79%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT CENTER
Lab Sample ID: FA12102-2
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	679	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	37100	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	23.8	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	40.7	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	1900	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	92.8	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	15100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	48.7	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	0.75	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	91000	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	238	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	19.6	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	2380	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17822.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.29	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT SOUTH
Lab Sample ID: FA12102-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.62	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	0.22	1.0	0.20	ug/l	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043368.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2	L0676800.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	63.4	47	9.4	ug/l	
95-57-8	2-Chlorophenol	4.8	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	4.0	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	251 [a]	19	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	1.1	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	2.8	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

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Report of Analysis

Client Sample ID: BLD D NT EXT SOUTH
Lab Sample ID: FA12102-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	1.5	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.6	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	1.3	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	6.0	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%	33%	14-67%
4165-62-2	Phenol-d5	19%	20%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	79%	33-118%
4165-60-0	Nitrobenzene-d5	61%	74%	42-108%
321-60-8	2-Fluorobiphenyl	62%	65%	40-106%
1718-51-0	Terphenyl-d14	94%	88%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043326.D	5	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	4.7	0.85	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.47	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.47	0.14	ug/l	
1918-00-9	Dicamba	ND	0.47	0.13	ug/l	
88-85-7	Dinoseb	ND	9.3	2.3	ug/l	
75-99-0	Dalapon	ND	12	4.7	ug/l	
120-36-5	Dichloroprop	ND	4.7	0.98	ug/l	
94-82-6	2,4-DB	ND	4.7	1.5	ug/l	
93-65-2	MCPP	ND	470	60	ug/l	
94-74-6	MCPA	ND	470	98	ug/l	
87-86-5	Pentachlorophenol	ND	0.47	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	107%		33-145%

(a) Dilution required due to matrix interference.

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61500.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	0.042	0.047	0.0047	ug/l	J
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin [b]	0.018	0.047	0.0047	ug/l	J
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		42-127%
2051-24-3	Decachlorobiphenyl	41%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT EXT SOUTH		
Lab Sample ID:	FA12102-3	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124027.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.58	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		38-127%
2051-24-3	Decachlorobiphenyl	82%		25-137%

(a) All hits confirmed by dual column analysis.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT EXT SOUTH
Lab Sample ID: FA12102-3
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1510	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	5.2	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	45000	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	38.5	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	65.8	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	4430	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	166	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	16100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	103	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.5	0.50	ug/l	1	02/07/14	02/07/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	101000	20000	ug/l	2	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	272	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	176	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	54.5	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	8800	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11374
(2) Instrument QC Batch: MA11377
(3) Instrument QC Batch: MA11382
(4) Prep QC Batch: MP26762
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17823.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.7	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 4
Lab Sample ID: FA12102-4
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.48	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.3	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.41	1.0	0.34	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.69	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.49	1.0	0.26	ug/l	J
108-88-3	Toluene	2.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.6	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.82	1.0	0.20	ug/l	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U043369.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	58.4	47	9.4	ug/l	
95-57-8	2-Chlorophenol	0.73	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	3.4	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	1.4	4.7	0.47	ug/l	J
	3&4-Methylphenol	5.3	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	0.78	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	24.9	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	5.0	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	7.4	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 4
Lab Sample ID: FA12102-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	1.1	4.7	0.59	ug/l	J
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.2	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	1.7	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	45.7	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	0.53	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.2	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	22%		10-50%
118-79-6	2,4,6-Tribromophenol	86%		33-118%
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043327.D	10	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	7.6	9.3	1.7	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.93	0.28	ug/l	
93-76-5	2,4,5-T	ND	0.93	0.27	ug/l	
1918-00-9	Dicamba	ND	0.93	0.26	ug/l	
88-85-7	Dinoseb	ND	19	4.7	ug/l	
75-99-0	Dalapon	ND	23	9.3	ug/l	
120-36-5	Dichloroprop	ND	9.3	2.0	ug/l	
94-82-6	2,4-DB	ND	9.3	3.1	ug/l	
93-65-2	MCPP	ND	930	120	ug/l	
94-74-6	MCPA	ND	930	200	ug/l	
87-86-5	Pentachlorophenol	0.37	0.93	0.22	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61501.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin [b]	0.0063	0.047	0.0047	ug/l	J
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	0.013	0.047	0.0047	ug/l	J
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		42-127%
2051-24-3	Decachlorobiphenyl	64%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 4		
Lab Sample ID:	FA12102-4	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3550C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124030.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.49	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		38-127%
2051-24-3	Decachlorobiphenyl	39%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 4
Lab Sample ID: FA12102-4
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6050	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	26.5	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	432	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	38.8	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	106000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	475	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	76.2	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	201	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	10500	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	1600	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	18400	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	603	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	16.2	2.5	ug/l	5	02/12/14	02/12/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	29400	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	166000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	576	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	164	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	6310	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11392
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26808

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B096096.D	5	02/06/14	WV	n/a	n/a	VB3918
Run #2 [b]	B096095.D	1	02/06/14	WV	n/a	n/a	VB3918

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [c]	ND	130	53	ug/l	
107-02-8	Acrolein	ND	100	32	ug/l	
107-13-1	Acrylonitrile	ND	50	10	ug/l	
71-43-2	Benzene	ND	5.0	1.2	ug/l	
108-86-1	Bromobenzene	ND	5.0	1.6	ug/l	
74-97-5	Bromochloromethane	ND	5.0	1.9	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.3	ug/l	
75-25-2	Bromoform	ND	5.0	1.9	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	1.5	ug/l	
135-98-8	sec-Butylbenzene [d]	ND	5.0	1.4	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.2	ug/l	
75-00-3	Chloroethane	ND	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.6	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	1.1	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	1.5	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	3.9	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.8	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	1.7	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.8	ug/l	
75-71-8	Dichlorodifluoromethane [d]	ND	10	1.7	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 3
Lab Sample ID: FA12102-5
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	1.5	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.4	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.2	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	2.7	ug/l	
74-95-3	Methylene bromide	ND	10	1.5	ug/l	
75-09-2	Methylene chloride	ND	25	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	7.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	15	5.0	ug/l	
103-65-1	n-Propylbenzene [d]	ND	5.0	1.2	ug/l	
100-42-5	Styrene	ND	5.0	1.2	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	2.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.5	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.5	ug/l	
75-01-4	Vinyl chloride	ND	5.0	1.6	ug/l	
108-05-4	Vinyl Acetate	ND	50	10	ug/l	
	m,p-Xylene	ND	10	2.4	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	74%	79-125%
2037-26-5	Toluene-D8	101%	104%	85-112%
460-00-4	4-Bromofluorobenzene	103%	107%	83-118%

(a) Dilution required due to matrix interference (sample foamed).
(b) Sample was treated with an anti-foaming agent. Confirmation run.
(c) Sample was treated with an anti-foaming agent.
(d) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0676822.D	4	02/06/14	NAF	02/03/14	OP50319	SL3399
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	190	38	ug/l	
95-57-8	2-Chlorophenol	ND	19	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	19	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	19	2.2	ug/l	
105-67-9	2,4-Dimethylphenol	7.5	19	1.9	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	94	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	38	7.5	ug/l	
95-48-7	2-Methylphenol	ND	19	1.9	ug/l	
	3&4-Methylphenol	5.1	19	4.4	ug/l	J
88-75-5	2-Nitrophenol	ND	19	2.3	ug/l	
100-02-7	4-Nitrophenol	ND	94	19	ug/l	
87-86-5	Pentachlorophenol	ND	94	19	ug/l	
108-95-2	Phenol	19.0	19	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	19	3.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	19	2.1	ug/l	
83-32-9	Acenaphthene	ND	19	1.9	ug/l	
208-96-8	Acenaphthylene	ND	19	1.9	ug/l	
62-53-3	Aniline	ND	19	3.8	ug/l	
120-12-7	Anthracene	ND	19	2.3	ug/l	
92-87-5	Benzidine	ND	94	19	ug/l	
56-55-3	Benzo(a)anthracene	ND	19	2.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	19	2.5	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	19	2.7	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	19	3.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	19	1.9	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	19	2.5	ug/l	
85-68-7	Butyl benzyl phthalate	9.6	19	3.1	ug/l	J
100-51-6	Benzyl Alcohol	11.1	19	3.8	ug/l	J
91-58-7	2-Chloronaphthalene	ND	19	2.1	ug/l	
106-47-8	4-Chloroaniline	ND	19	1.9	ug/l	
86-74-8	Carbazole	ND	19	2.3	ug/l	
218-01-9	Chrysene	ND	19	2.7	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 3
Lab Sample ID: FA12102-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	19	2.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	19	2.6	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	19	2.2	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	19	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	19	1.9	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	19	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	19	1.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	19	1.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	19	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	19	2.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	19	3.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	19	3.1	ug/l	
132-64-9	Dibenzofuran	ND	19	2.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	19	3.8	ug/l	
117-84-0	Di-n-octyl phthalate	ND	19	3.8	ug/l	
84-66-2	Diethyl phthalate	5.7	19	3.8	ug/l	J
131-11-3	Dimethyl phthalate	5.3	19	2.4	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	109	19	6.0	ug/l	
206-44-0	Fluoranthene	ND	19	2.6	ug/l	
86-73-7	Fluorene	ND	19	1.9	ug/l	
118-74-1	Hexachlorobenzene	ND	19	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	19	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	19	3.8	ug/l	
67-72-1	Hexachloroethane	ND	19	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	19	2.4	ug/l	
78-59-1	Isophorone	ND	19	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	19	1.9	ug/l	
91-57-6	2-Methylnaphthalene	ND	19	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	19	4.5	ug/l	
99-09-2	3-Nitroaniline	ND	19	2.3	ug/l	
100-01-6	4-Nitroaniline	ND	19	2.9	ug/l	
91-20-3	Naphthalene	ND	19	1.9	ug/l	
98-95-3	Nitrobenzene	ND	19	1.9	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	19	3.8	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	20.2	19	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	19	2.0	ug/l	
85-01-8	Phenanthrene	ND	19	2.2	ug/l	
129-00-0	Pyrene	ND	19	3.1	ug/l	
110-86-1	Pyridine	ND	38	7.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	19	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		14-67%
4165-62-2	Phenol-d5	21%		10-50%
118-79-6	2,4,6-Tribromophenol	83%		33-118%
4165-60-0	Nitrobenzene-d5	86%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	65%		39-121%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043328.D	20	02/06/14	NJ	02/04/14	OP50343	GCC635
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D [b]	6.2	19	3.4	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	1.9	0.56	ug/l	
93-76-5	2,4,5-T	ND	1.9	0.54	ug/l	
1918-00-9	Dicamba	ND	1.9	0.51	ug/l	
88-85-7	Dinoseb	ND	37	9.3	ug/l	
75-99-0	Dalapon	ND	47	19	ug/l	
120-36-5	Dichloroprop	ND	19	3.9	ug/l	
94-82-6	2,4-DB	ND	19	6.2	ug/l	
93-65-2	MCPP	ND	1900	240	ug/l	
94-74-6	MCPA	ND	1900	390	ug/l	
87-86-5	Pentachlorophenol	ND	1.9	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61502.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
Run #2 [a]	KK61621.D	5	02/07/14	EM	02/05/14	OP50365	GKK2062

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2	1050 ml	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%	79%	42-127%
2051-24-3	Decachlorobiphenyl	13% [b]	12%	27-127%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 3		
Lab Sample ID:	FA12102-5	**Date Sampled:**	01/29/14
Matrix:	AQ - Water	**Date Received:**	01/31/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124031.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
Run #2 [b]	ST124083.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2	1050 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	3.0	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%	54%	38-127%
2051-24-3	Decachlorobiphenyl	12% [c]	10%	25-137%

(a) All hits confirmed by dual column analysis. Sample confirmed by re-extraction and reanalysis.
(b) Confirmation run for surrogate recoveries.
(c) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 3
Lab Sample ID: FA12102-5
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8400	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	32.2	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.4	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	717	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	39.9	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	189000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	662	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	154	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	314	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	13900	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	2160	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	20800	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	582	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	35.2	5.0	ug/l	10	02/07/14	02/07/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	93.0	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	64000	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	232000	50000	ug/l	5	02/03/14	02/05/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	886	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	277	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	5380	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11382
(3) Instrument QC Batch: MA11383
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26787

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12102-6	**Date Sampled:**	01/29/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17825.D	1	02/04/14	WV	n/a	n/a	VI290
Run #2	I17850.D	1	02/05/14	WV	n/a	n/a	VI291

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND [a]	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: FA12102-6
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/29/14
Date Received: 01/31/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12102-6	**Date Sampled:**	01/29/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/31/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	85%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	99%	99%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA 12102 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 214 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isienvironmental.com
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	VOC	SVOC	Pesticides	Metals + Hg	Herbicides
1	Bld D NT Ext North	01/29/14	1430	BG	WW	10		X	X		X					X	X	X	X	X
2	Bld D NT Ext Center	01/29/14	1450	BG	WW	10		X	X		X					X	X	X	X	X
3	Bld D NT Ext South	01/29/14	1510	BG	WW	10		X	X		X					X	X	X	X	X
4	Bld D Rm 4	01/29/14	1605	BG	WW	10		X	X		X					X	X	X	X	X
5	Bld D Rm 3	01/29/14	1645	BG	WW	10		X	X		X					X	X	X	X	X
6	Trip Blank	01/29/14				3			X							X				

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	01/30/14 1630	2 FX	3 FX	1-31-14	4 J. Coppel (ALTE) 10:45
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 5 Cooler Temperature (s) Celsius: 2.8 3.0 2.4 2.6 2.8

4.1 4

FA12102: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 12102 CLIENT: ISI ENV. PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 1-31-14 10:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 5

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 2630

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.2 3.4 2.8 3.0 3.2
- [ ] CORRECTED TEMPS: 2.8 3.0 2.4 2.6 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

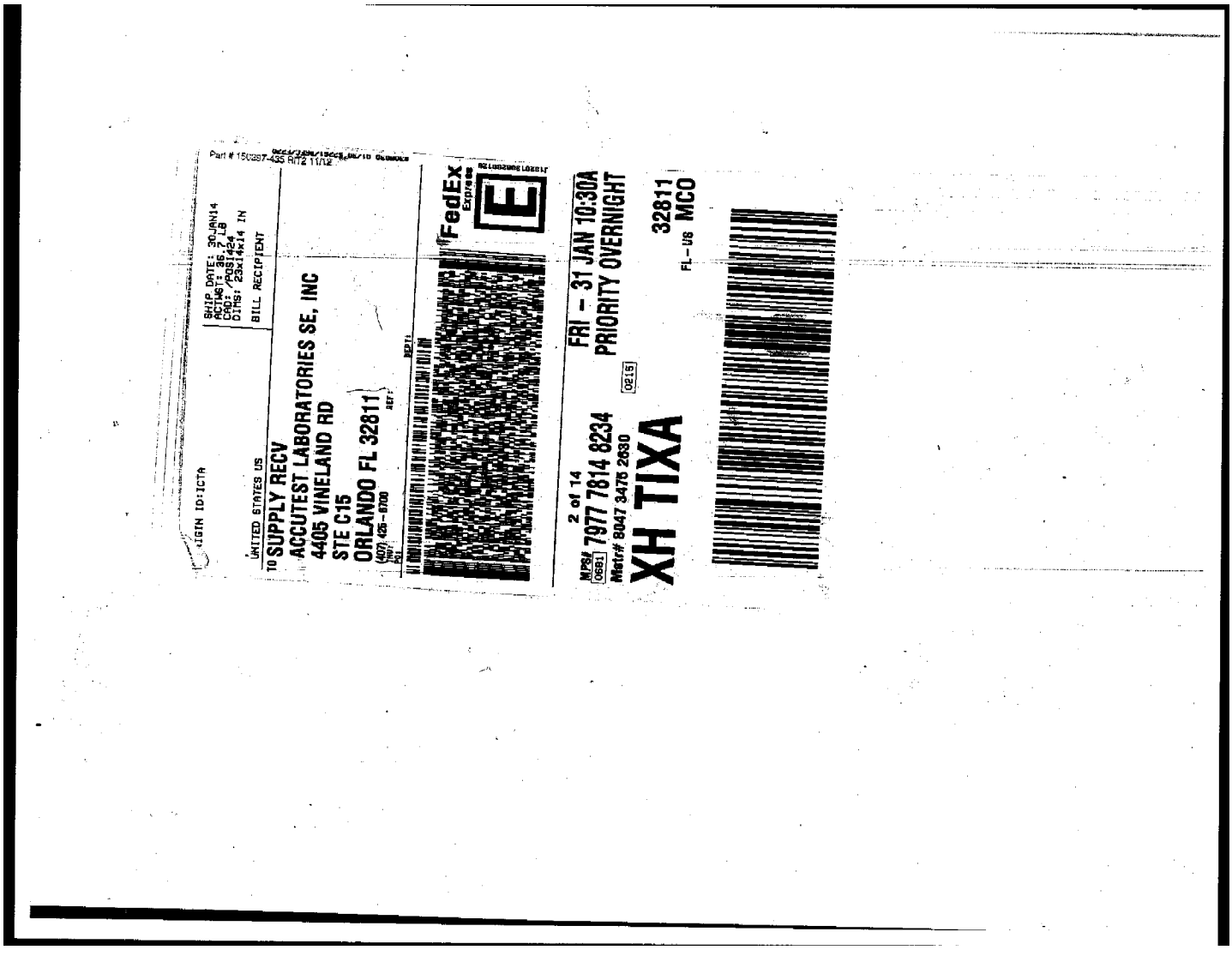
{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE: [signature] 1-31-14 REVIEWER SIGNATURE/DATE: [signature] 01/31/14

NF 12/10

receipt confirmation 122910.xls



FA12102: Chain of Custody
Page 3 of 3

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-MB	I17819.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-MB	I17819.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-MB	I17819.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI291-MB	I17849.D	1	02/05/14	WV	n/a	n/a	VI291

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	87%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-MB	B096094.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-MB	B096094.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-MB	B096094.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	110%	83-118%

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-BS	I17818.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	116	93	50-147
107-02-8	Acrolein	125	127	102	31-154
107-13-1	Acrylonitrile	125	98.8	79	58-126
71-43-2	Benzene	25	23.6	94	81-122
108-86-1	Bromobenzene	25	23.4	94	80-121
74-97-5	Bromochloromethane	25	23.7	95	76-123
75-27-4	Bromodichloromethane	25	22.8	91	79-123
75-25-2	Bromoform	25	21.8	87	66-123
104-51-8	n-Butylbenzene	25	23.7	95	79-126
135-98-8	sec-Butylbenzene	25	27.2	109	83-133
98-06-6	tert-Butylbenzene	25	25.0	100	80-133
108-90-7	Chlorobenzene	25	25.5	102	82-124
75-00-3	Chloroethane	25	29.6	118	62-144
67-66-3	Chloroform	25	22.4	90	80-124
95-49-8	o-Chlorotoluene	25	24.6	98	81-127
106-43-4	p-Chlorotoluene	25	26.2	105	83-130
110-75-8	2-Chloroethyl vinyl ether	125	87.1	70	56-122
75-15-0	Carbon disulfide	25	21.7	87	66-148
56-23-5	Carbon tetrachloride	25	23.1	92	76-136
75-34-3	1,1-Dichloroethane	25	21.6	86	81-122
75-35-4	1,1-Dichloroethylene	25	26.3	105	78-137
563-58-6	1,1-Dichloropropene	25	24.7	99	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	20.8	83	64-123
106-93-4	1,2-Dibromoethane	25	23.8	95	75-120
107-06-2	1,2-Dichloroethane	25	19.7	79	75-125
78-87-5	1,2-Dichloropropane	25	22.1	88	76-124
142-28-9	1,3-Dichloropropane	25	22.3	89	80-118
594-20-7	2,2-Dichloropropane	25	22.9	92	74-139
124-48-1	Dibromochloromethane	25	24.0	96	78-122
75-71-8	Dichlorodifluoromethane	25	22.8	91	42-167
156-59-2	cis-1,2-Dichloroethylene	25	23.3	93	78-120
10061-01-5	cis-1,3-Dichloropropene	25	22.1	88	75-118
541-73-1	m-Dichlorobenzene	25	26.5	106	84-125
95-50-1	o-Dichlorobenzene	25	25.8	103	82-124
106-46-7	p-Dichlorobenzene	25	23.8	95	78-120
156-60-5	trans-1,2-Dichloroethylene	25	21.2	85	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-BS	I17818.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	23.3	93	80-120
100-41-4	Ethylbenzene	25	22.9	92	81-121
591-78-6	2-Hexanone	125	91.7	73	61-129
87-68-3	Hexachlorobutadiene	25	23.8	95	75-142
98-82-8	Isopropylbenzene	25	26.2	105	83-132
99-87-6	p-Isopropyltoluene	25	26.2	105	79-130
108-10-1	4-Methyl-2-pentanone	125	92.1	74	66-122
74-83-9	Methyl bromide	25	34.8	139	59-143
74-87-3	Methyl chloride	25	22.2	89	50-159
74-95-3	Methylene bromide	25	22.8	91	78-119
75-09-2	Methylene chloride	25	19.9	80	69-135
78-93-3	Methyl ethyl ketone	125	90.4	72	56-143
1634-04-4	Methyl Tert Butyl Ether	25	20.4	82	72-117
91-20-3	Naphthalene	25	23.4	94	63-132
103-65-1	n-Propylbenzene	25	26.3	105	82-133
100-42-5	Styrene	25	23.1	92	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.5	98	77-122
71-55-6	1,1,1-Trichloroethane	25	22.5	90	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.4	94	72-120
79-00-5	1,1,2-Trichloroethane	25	23.0	92	76-119
87-61-6	1,2,3-Trichlorobenzene	25	23.6	94	68-131
96-18-4	1,2,3-Trichloropropane	25	22.9	92	77-120
120-82-1	1,2,4-Trichlorobenzene	25	23.5	94	73-129
95-63-6	1,2,4-Trimethylbenzene	25	23.3	93	79-120
108-67-8	1,3,5-Trimethylbenzene	25	22.8	91	79-120
127-18-4	Tetrachloroethylene	25	20.8	83	76-135
108-88-3	Toluene	25	23.7	95	80-120
79-01-6	Trichloroethylene	25	24.0	96	81-126
75-69-4	Trichlorofluoromethane	25	26.4	106	71-156
75-01-4	Vinyl chloride	25	27.1	108	69-159
108-05-4	Vinyl Acetate	125	94.4	76	43-154
	m,p-Xylene	50	47.5	95	79-126
95-47-6	o-Xylene	25	24.9	100	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI290-BS	I17818.D	1	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	88%	79-125%
2037-26-5	Toluene-D8	93%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI291-BS	I17848.D	1	02/05/14	WV	n/a	n/a	VI291

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.9	104	81-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	85%	79-125%
2037-26-5	Toluene-D8	92%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-BS	B096093.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	158	126	50-147
107-02-8	Acrolein	125	137	110	31-154
107-13-1	Acrylonitrile	125	106	85	58-126
71-43-2	Benzene	25	29.1	116	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.6	102	76-123
75-27-4	Bromodichloromethane	25	27.9	112	79-123
75-25-2	Bromoform	25	20.8	83	66-123
104-51-8	n-Butylbenzene	25	29.3	117	79-126
135-98-8	sec-Butylbenzene	25	33.5	134*	83-133
98-06-6	tert-Butylbenzene	25	32.2	129	80-133
108-90-7	Chlorobenzene	25	28.6	114	82-124
75-00-3	Chloroethane	25	31.5	126	62-144
67-66-3	Chloroform	25	27.8	111	80-124
95-49-8	o-Chlorotoluene	25	31.8	127	81-127
106-43-4	p-Chlorotoluene	25	32.4	130	83-130
110-75-8	2-Chloroethyl vinyl ether	125	128	102	56-122
75-15-0	Carbon disulfide	25	29.4	118	66-148
56-23-5	Carbon tetrachloride	25	29.2	117	76-136
75-34-3	1,1-Dichloroethane	25	29.6	118	81-122
75-35-4	1,1-Dichloroethylene	25	32.2	129	78-137
563-58-6	1,1-Dichloropropene	25	32.6	130	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	20.3	81	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
107-06-2	1,2-Dichloroethane	25	27.1	108	75-125
78-87-5	1,2-Dichloropropane	25	27.3	109	76-124
142-28-9	1,3-Dichloropropane	25	27.6	110	80-118
594-20-7	2,2-Dichloropropane	25	30.2	121	74-139
124-48-1	Dibromochloromethane	25	25.9	104	78-122
75-71-8	Dichlorodifluoromethane	25	49.9	200*	42-167
156-59-2	cis-1,2-Dichloroethylene	25	27.6	110	78-120
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	75-118
541-73-1	m-Dichlorobenzene	25	30.0	120	84-125
95-50-1	o-Dichlorobenzene	25	28.1	112	82-124
106-46-7	p-Dichlorobenzene	25	27.3	109	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.9	120	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-BS	B096093.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.8	111	80-120
100-41-4	Ethylbenzene	25	28.7	115	81-121
591-78-6	2-Hexanone	125	142	114	61-129
87-68-3	Hexachlorobutadiene	25	27.2	109	75-142
98-82-8	Isopropylbenzene	25	32.7	131	83-132
99-87-6	p-Isopropyltoluene	25	31.0	124	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	35.7	143	59-143
74-87-3	Methyl chloride	25	35.0	140	50-159
74-95-3	Methylene bromide	25	26.3	105	78-119
75-09-2	Methylene chloride	25	28.1	112	69-135
78-93-3	Methyl ethyl ketone	125	114	91	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.2	101	72-117
91-20-3	Naphthalene	25	19.3	77	63-132
103-65-1	n-Propylbenzene	25	33.9	136*	82-133
100-42-5	Styrene	25	26.5	106	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.5	110	77-122
71-55-6	1,1,1-Trichloroethane	25	29.1	116	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	26.6	106	72-120
79-00-5	1,1,2-Trichloroethane	25	26.3	105	76-119
87-61-6	1,2,3-Trichlorobenzene	25	21.8	87	68-131
96-18-4	1,2,3-Trichloropropane	25	26.1	104	77-120
120-82-1	1,2,4-Trichlorobenzene	25	22.6	90	73-129
95-63-6	1,2,4-Trimethylbenzene	25	28.7	115	79-120
108-67-8	1,3,5-Trimethylbenzene	25	28.9	116	79-120
127-18-4	Tetrachloroethylene	25	28.5	114	76-135
108-88-3	Toluene	25	28.5	114	80-120
79-01-6	Trichloroethylene	25	28.5	114	81-126
75-69-4	Trichlorofluoromethane	25	32.1	128	71-156
75-01-4	Vinyl chloride	25	32.5	130	69-159
108-05-4	Vinyl Acetate	125	115	92	43-154
	m,p-Xylene	50	57.6	115	79-126
95-47-6	o-Xylene	25	29.9	120	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB3918-BS	B096093.D	1	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12103-8MS	I17839.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8MSD	I17840.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Compound	FA12103-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		25000	12500	50	13300	53	6	50-147/21
107-02-8	Acrolein	ND		25000	25400	102	25400	102	0	31-154/29
107-13-1	Acrylonitrile	ND		25000	18300	73	19200	77	5	58-126/16
71-43-2	Benzene	ND		5000	4950	99	4740	95	4	81-122/14
108-86-1	Bromobenzene	ND		5000	4750	95	4650	93	2	80-121/14
74-97-5	Bromochloromethane	ND		5000	4790	96	4820	96	1	76-123/14
75-27-4	Bromodichloromethane	ND		5000	4670	93	4550	91	3	79-123/19
75-25-2	Bromoform	ND		5000	4130	83	4430	89	7	66-123/21
104-51-8	n-Butylbenzene	ND		5000	4670	93	4410	88	6	79-126/16
135-98-8	sec-Butylbenzene	ND		5000	5540	111	5240	105	6	83-133/16
98-06-6	tert-Butylbenzene	ND		5000	5040	101	4750	95	6	80-133/16
108-90-7	Chlorobenzene	ND		5000	5360	107	5150	103	4	82-124/14
75-00-3	Chloroethane	ND		5000	5440	109	5110	102	6	62-144/20
67-66-3	Chloroform	ND		5000	4710	94	4560	91	3	80-124/15
95-49-8	o-Chlorotoluene	ND		5000	4950	99	4760	95	4	81-127/15
106-43-4	p-Chlorotoluene	ND		5000	5300	106	5080	102	4	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		25000	11200	45*	11200	45*	0	56-122/23
75-15-0	Carbon disulfide	ND		5000	4190	84	3940	79	6	66-148/23
56-23-5	Carbon tetrachloride	ND		5000	4640	93	4460	89	4	76-136/23
75-34-3	1,1-Dichloroethane	ND		5000	4470	89	4320	86	3	81-122/15
75-35-4	1,1-Dichloroethylene	ND		5000	5150	103	5000	100	3	78-137/18
563-58-6	1,1-Dichloropropene	ND		5000	5010	100	4840	97	3	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		5000	4080	82	4130	83	1	64-123/18
106-93-4	1,2-Dibromoethane	ND		5000	4740	95	4780	96	1	75-120/13
107-06-2	1,2-Dichloroethane	ND		5000	4000	80	3980	80	1	75-125/14
78-87-5	1,2-Dichloropropane	ND		5000	4560	91	4420	88	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		5000	4520	90	4550	91	1	80-118/13
594-20-7	2,2-Dichloropropane	ND		5000	3700	74	3530	71*	5	74-139/17
124-48-1	Dibromochloromethane	ND		5000	4710	94	4860	97	3	78-122/19
75-71-8	Dichlorodifluoromethane	ND		5000	4070	81	3910	78	4	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		5000	4860	97	4860	97	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		5000	4290	86	4240	85	1	75-118/23
541-73-1	m-Dichlorobenzene	ND		5000	5440	109	5240	105	4	84-125/14
95-50-1	o-Dichlorobenzene	ND		5000	5330	107	5140	103	4	82-124/14
106-46-7	p-Dichlorobenzene	ND		5000	4850	97	4740	95	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		5000	4350	87	4150	83	5	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12103-8MS	I17839.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8MSD	I17840.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Compound	FA12103-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		5000	4500	90	4440	89	1	80-120/22
100-41-4	Ethylbenzene	ND		5000	4750	95	4550	91	4	81-121/14
591-78-6	2-Hexanone	ND		25000	14800	59*	15700	63	6	61-129/18
87-68-3	Hexachlorobutadiene	ND		5000	4290	86	4380	88	2	75-142/19
98-82-8	Isopropylbenzene	ND		5000	5460	109	5220	104	4	83-132/15
99-87-6	p-Isopropyltoluene	ND		5000	5320	106	5060	101	5	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		25000	17400	70	18200	73	4	66-122/16
74-83-9	Methyl bromide	ND		5000	6230	125	5940	119	5	59-143/19
74-87-3	Methyl chloride	ND		5000	4150	83	3910	78	6	50-159/19
74-95-3	Methylene bromide	ND		5000	4660	93	4650	93	0	78-119/14
75-09-2	Methylene chloride	ND		5000	4160	83	4090	82	2	69-135/16
78-93-3	Methyl ethyl ketone	ND		25000	13900	56	14700	59	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		5000	4050	81	4090	82	1	72-117/14
91-20-3	Naphthalene	ND		5000	4600	92	4770	95	4	63-132/25
103-65-1	n-Propylbenzene	ND		5000	5310	106	5050	101	5	82-133/15
100-42-5	Styrene	ND		5000	4820	96	4770	95	1	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		5000	5060	101	5020	100	1	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		5000	4680	94	4460	89	5	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		5000	4860	97	4820	96	1	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		5000	4760	95	4750	95	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		5000	4640	93	4680	94	1	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		5000	4530	91	4700	94	4	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		5000	4490	90	4460	89	1	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		5000	4770	95	4540	91	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		5000	4680	94	4440	89	5	79-120/19
127-18-4	Tetrachloroethylene	ND		5000	4040	81	4000	80	1	76-135/16
108-88-3	Toluene	ND		5000	4880	98	4720	94	3	80-120/14
79-01-6	Trichloroethylene	ND		5000	4990	100	4810	96	4	81-126/15
75-69-4	Trichlorofluoromethane	ND		5000	4630	93	4470	89	4	71-156/21
75-01-4	Vinyl chloride	ND		5000	4620	92	4420	88	4	69-159/18
108-05-4	Vinyl Acetate	ND		25000	17200	69	17200	69	0	43-154/14
	m,p-Xylene	ND		10000	9830	98	9470	95	4	79-126/15
95-47-6	o-Xylene	ND		5000	5160	103	5000	100	3	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12103-8MS	I17839.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8MSD	I17840.D	200	02/05/14	WV	n/a	n/a	VI290
FA12103-8 [a]	I17832.D	200	02/04/14	WV	n/a	n/a	VI290

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-6

CAS No.	Surrogate Recoveries	MS	MSD	FA12103-8	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	86%	86%	88%	79-125%
2037-26-5	Toluene-D8	93%	92%	100%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	97%	83-118%

(a) Confirmation run.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12095-1MS	I17870.D	1	02/05/14	WV	n/a	n/a	VI291
FA12095-1MSD	I17871.D	1	02/05/14	WV	n/a	n/a	VI291
FA12095-1	I17857.D	1	02/05/14	WV	n/a	n/a	VI291

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-6

CAS No.	Compound	FA12095-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0	U	25	25.4	102	24.9	100	2	81-122/14

CAS No.	Surrogate Recoveries	MS	MSD	FA12095-1	Limits
1868-53-7	Dibromofluoromethane	100%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	88%	87%	91%	79-125%
2037-26-5	Toluene-D8	92%	92%	101%	85-112%
460-00-4	4-Bromofluorobenzene	93%	95%	96%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12073-9MS	B096105.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9MSD	B096106.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9 [a]	B096104.D	5	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Compound	FA12073-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	130 U		625	425	68	408	65	4	50-147/21
107-02-8	Acrolein	100 U		625	637	102	698	112	9	31-154/29
107-13-1	Acrylonitrile	50 U		625	554	89	535	86	3	58-126/16
71-43-2	Benzene	5.0 U		125	145	116	142	114	2	81-122/14
108-86-1	Bromobenzene	5.0 U		125	137	110	129	103	6	80-121/14
74-97-5	Bromochloromethane	5.0 U		125	131	105	130	104	1	76-123/14
75-27-4	Bromodichloromethane	5.0 U		125	136	109	134	107	1	79-123/19
75-25-2	Bromoform	5.0 U		125	105	84	102	82	3	66-123/21
104-51-8	n-Butylbenzene	5.0 U		125	144	115	139	111	4	79-126/16
135-98-8	sec-Butylbenzene	5.0 U		125	158	126	153	122	3	83-133/16
98-06-6	tert-Butylbenzene	5.0 U		125	155	124	150	120	3	80-133/16
108-90-7	Chlorobenzene	5.0 U		125	142	114	143	114	1	82-124/14
75-00-3	Chloroethane	10 U		125	139	111	138	110	1	62-144/20
67-66-3	Chloroform	5.0 U		125	142	114	135	108	5	80-124/15
95-49-8	o-Chlorotoluene	5.0 U		125	156	125	150	120	4	81-127/15
106-43-4	p-Chlorotoluene	5.0 U		125	161	129	155	124	4	83-130/15
110-75-8	2-Chloroethyl vinyl ether	25 U		625	43.8	7*	14.7	2*	99*	56-122/23
75-15-0	Carbon disulfide	10 U		125	149	119	140	112	6	66-148/23
56-23-5	Carbon tetrachloride	5.0 U		125	140	112	141	113	1	76-136/23
75-34-3	1,1-Dichloroethane	5.0 U		125	148	118	142	114	4	81-122/15
75-35-4	1,1-Dichloroethylene	5.0 U		125	161	129	155	124	4	78-137/18
563-58-6	1,1-Dichloropropene	5.0 U		125	157	126	154	123	2	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	10 U		125	111	89	95.8	77	15	64-123/18
106-93-4	1,2-Dibromoethane	5.0 U		125	129	103	128	102	1	75-120/13
107-06-2	1,2-Dichloroethane	5.0 U		125	135	108	134	107	1	75-125/14
78-87-5	1,2-Dichloropropane	5.0 U		125	140	112	137	110	2	76-124/14
142-28-9	1,3-Dichloropropane	5.0 U		125	141	113	137	110	3	80-118/13
594-20-7	2,2-Dichloropropane	5.0 U		125	145	116	137	110	6	74-139/17
124-48-1	Dibromochloromethane	5.0 U		125	128	102	125	100	2	78-122/19
75-71-8	Dichlorodifluoromethane	10 U		125	230	184*	221	177*	4	42-167/19
156-59-2	cis-1,2-Dichloroethylene	189		125	331	114	320	105	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	5.0 U		125	131	105	130	104	1	75-118/23
541-73-1	m-Dichlorobenzene	5.0 U		125	148	118	139	111	6	84-125/14
95-50-1	o-Dichlorobenzene	5.0 U		125	141	113	135	108	4	82-124/14
106-46-7	p-Dichlorobenzene	5.0 U		125	137	110	130	104	5	78-120/15
156-60-5	trans-1,2-Dichloroethylene	4.2	I	125	150	117	149	116	1	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12073-9MS	B096105.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9MSD	B096106.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9 [a]	B096104.D	5	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Compound	FA12073-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	5.0	U	125	136	109	133	106	2	80-120/22
100-41-4	Ethylbenzene	5.0	U	125	144	115	139	111	4	81-121/14
591-78-6	2-Hexanone	50	U	625	574	92	548	88	5	61-129/18
87-68-3	Hexachlorobutadiene	10	U	125	116	93	112	90	4	75-142/19
98-82-8	Isopropylbenzene	5.0	U	125	159	127	152	122	5	83-132/15
99-87-6	p-Isopropyltoluene	5.0	U	125	152	122	144	115	5	79-130/16
108-10-1	4-Methyl-2-pentanone	25	U	625	665	106	647	104	3	66-122/16
74-83-9	Methyl bromide	10	U	125	159	127	158	126	1	59-143/19
74-87-3	Methyl chloride	10	U	125	177	142	167	134	6	50-159/19
74-95-3	Methylene bromide	10	U	125	135	108	131	105	3	78-119/14
75-09-2	Methylene chloride	25	U	125	143	114	138	110	4	69-135/16
78-93-3	Methyl ethyl ketone	25	U	625	546	87	515	82	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	5.0	U	125	129	103	124	99	4	72-117/14
91-20-3	Naphthalene	25	U	125	95.6	76	92.2	74	4	63-132/25
103-65-1	n-Propylbenzene	5.0	U	125	168	134*	159	127	6	82-133/15
100-42-5	Styrene	5.0	U	125	134	107	128	102	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	125	136	109	132	106	3	77-122/19
71-55-6	1,1,1-Trichloroethane	5.0	U	125	141	113	137	110	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	125	140	112	135	108	4	72-120/14
79-00-5	1,1,2-Trichloroethane	5.0	U	125	137	110	129	103	6	76-119/14
87-61-6	1,2,3-Trichlorobenzene	5.0	U	125	103	82	102	82	1	68-131/25
96-18-4	1,2,3-Trichloropropane	10	U	125	136	109	130	104	5	77-120/16
120-82-1	1,2,4-Trichlorobenzene	5.0	U	125	108	86	105	84	3	73-129/20
95-63-6	1,2,4-Trimethylbenzene	10	U	125	140	112	137	110	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	10	U	125	140	112	136	109	3	79-120/19
127-18-4	Tetrachloroethylene	5.0	U	125	135	108	130	104	4	76-135/16
108-88-3	Toluene	5.0	U	125	138	110	140	112	1	80-120/14
79-01-6	Trichloroethylene	68.3		125	205	109	204	109	0	81-126/15
75-69-4	Trichlorofluoromethane	10	U	125	150	120	143	114	5	71-156/21
75-01-4	Vinyl chloride	18.0		125	172	123	167	119	3	69-159/18
108-05-4	Vinyl Acetate	50	U	625	595	95	567	91	5	43-154/14
	m,p-Xylene	10	U	250	302	121	282	113	7	79-126/15
95-47-6	o-Xylene	5.0	U	125	153	122	145	116	5	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12073-9MS	B096105.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9MSD	B096106.D	5	02/06/14	WV	n/a	n/a	VB3918
FA12073-9 [a]	B096104.D	5	02/06/14	WV	n/a	n/a	VB3918

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12102-5

CAS No.	Surrogate Recoveries	MS	MSD	FA12073-9	Limits
1868-53-7	Dibromofluoromethane	102%	100%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	98%	79-125%
2037-26-5	Toluene-D8	103%	103%	106%	85-112%
460-00-4	4-Bromofluorobenzene	108%	105%	113%	83-118%

(a) No sample available for reanalysis.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MB	U043355.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	78%	33-118%
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	106%	39-121%

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	16.0	16	10-69
95-57-8	2-Chlorophenol	50	34.7	69	52-98
59-50-7	4-Chloro-3-methyl phenol	50	33.7	67	54-103
120-83-2	2,4-Dichlorophenol	50	32.7	65	53-103
105-67-9	2,4-Dimethylphenol	50	33.1	66	43-90
51-28-5	2,4-Dinitrophenol	100	71.7	72	44-112
534-52-1	4,6-Dinitro-o-cresol	100	78.7	79	66-121
95-48-7	2-Methylphenol	50	30.9	62	43-90
	3&4-Methylphenol	100	54.9	55	36-88
88-75-5	2-Nitrophenol	50	33.5	67	53-102
100-02-7	4-Nitrophenol	100	26.9	27	18-62
87-86-5	Pentachlorophenol	100	69.6	70	61-115
108-95-2	Phenol	50	13.5	27	19-56
95-95-4	2,4,5-Trichlorophenol	50	38.2	76	62-109
88-06-2	2,4,6-Trichlorophenol	50	37.9	76	59-107
83-32-9	Acenaphthene	50	42.5	85	61-107
208-96-8	Acenaphthylene	50	41.6	83	60-104
62-53-3	Aniline	50	32.4	65	47-100
120-12-7	Anthracene	50	40.9	82	65-108
92-87-5	Benzidine	50	36.8	74	25-99
56-55-3	Benzo(a)anthracene	50	40.8	82	66-111
50-32-8	Benzo(a)pyrene	50	39.3	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.0	82	65-114
191-24-2	Benzo(g,h,i)perylene	50	39.0	78	66-116
207-08-9	Benzo(k)fluoranthene	50	41.1	82	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.9	70	65-109
85-68-7	Butyl benzyl phthalate	50	38.4	77	65-112
100-51-6	Benzyl Alcohol	50	32.2	64	46-94
91-58-7	2-Chloronaphthalene	50	37.3	75	57-103
106-47-8	4-Chloroaniline	50	34.4	69	49-105
86-74-8	Carbazole	50	40.2	80	59-113
218-01-9	Chrysene	50	43.0	86	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.3	71	51-102
111-44-4	bis(2-Chloroethyl)ether	50	36.7	73	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	40.1	80	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.7	75	62-105

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
122-66-7	1,2-Diphenylhydrazine	50	50.1	100	61-110
541-73-1	1,3-Dichlorobenzene	50	31.4	63	45-95
106-46-7	1,4-Dichlorobenzene	50	33.0	66	45-98
121-14-2	2,4-Dinitrotoluene	50	40.1	80	61-110
606-20-2	2,6-Dinitrotoluene	50	39.8	80	63-108
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	46-117
53-70-3	Dibenzo(a,h)anthracene	50	38.8	78	66-119
132-64-9	Dibenzofuran	50	39.6	79	61-106
84-74-2	Di-n-butyl phthalate	50	36.8	74	65-107
117-84-0	Di-n-octyl phthalate	50	36.1	72	62-118
84-66-2	Diethyl phthalate	50	38.7	77	64-108
131-11-3	Dimethyl phthalate	50	36.0	72	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.1	76	61-117
206-44-0	Fluoranthene	50	40.7	81	63-106
86-73-7	Fluorene	50	41.3	83	62-108
118-74-1	Hexachlorobenzene	50	42.2	84	63-108
87-68-3	Hexachlorobutadiene	50	29.5	59	42-102
77-47-4	Hexachlorocyclopentadiene	50	23.9	48	39-102
67-72-1	Hexachloroethane	50	31.5	63	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	34.3	69	64-119
78-59-1	Isophorone	50	34.9	70	43-87
90-12-0	1-Methylnaphthalene	50	37.4	75	53-102
91-57-6	2-Methylnaphthalene	50	32.9	66	51-102
88-74-4	2-Nitroaniline	50	45.9	92	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.9	84	55-120
91-20-3	Naphthalene	50	34.2	68	47-100
98-95-3	Nitrobenzene	50	33.6	67	50-104
62-75-9	N-Nitrosodimethylamine	50	19.1	38	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	43.4	87	52-104
86-30-6	N-Nitrosodiphenylamine	50	46.0	92	64-108
85-01-8	Phenanthrene	50	42.0	84	66-110
129-00-0	Pyrene	50	43.5	87	64-113
110-86-1	Pyridine	50	19.6	39	23-74
120-82-1	1,2,4-Trichlorobenzene	50	29.9	60	45-97

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-BS	U043354.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	97%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	200 [a]		189	466	141*	471	144*	1	10-69/39
95-57-8	2-Chlorophenol	0.74	J	94.3	57.1	61	69.3	73	19	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	70.6	75	74.9	79	6	54-103/23
120-83-2	2,4-Dichlorophenol	ND		94.3	59.9	63	69.9	74	15	53-103/26
105-67-9	2,4-Dimethylphenol	2.5	J	94.3	53.6	54	63.3	64	17	43-90/27
51-28-5	2,4-Dinitrophenol	ND		189	142	75	161	85	13	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		189	118	63*	150	80	24*	66-121/23
95-48-7	2-Methylphenol	4.2	J	94.3	61.4	60	70.0	69	13	43-90/28
	3&4-Methylphenol	9.0		189	124	61	139	69	11	36-88/28
88-75-5	2-Nitrophenol	0.86	J	94.3	59.5	63	72.9	77	20	53-102/29
100-02-7	4-Nitrophenol	ND		189	78.7	42	104	55	28	18-62/33
87-86-5	Pentachlorophenol	ND		189	144	76	158	84	9	61-115/26
108-95-2	Phenol	96.2 [a]		94.3	197	107*	207	117*	5	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		94.3	67.9	72	74.6	79	9	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		94.3	68.2	72	73.5	78	7	59-107/23
83-32-9	Acenaphthene	ND		94.3	73.1	77	78.9	84	8	61-107/22
208-96-8	Acenaphthylene	0.72	J	94.3	71.9	76	78.8	84	9	60-104/22
62-53-3	Aniline	ND		94.3	ND	0*	7.3	8*	200*	47-100/30
120-12-7	Anthracene	ND		94.3	66.1	70	71.1	75	7	65-108/20
92-87-5	Benzidine	ND		94.3	ND	0*	ND	0*	nc	25-99/31
56-55-3	Benzo(a)anthracene	ND		94.3	72.6	77	76.5	81	5	66-111/22
50-32-8	Benzo(a)pyrene	ND		94.3	64.7	69	70.1	74	8	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		94.3	78.2	83	80.8	86	3	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		94.3	75.5	80	78.0	83	3	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		94.3	79.4	84	83.9	89	6	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	57.0	60*	66.8	71	16	65-109/23
85-68-7	Butyl benzyl phthalate	19.9		94.3	94.6	85	93.8	84	1	65-112/24
100-51-6	Benzyl Alcohol	8.3		94.3	72.2	68	79.9	76	10	46-94/27
91-58-7	2-Chloronaphthalene	ND		94.3	63.8	68	70.1	74	9	57-103/23
106-47-8	4-Chloroaniline	ND		94.3	3.5	4*	2.8	3*	22	49-105/27
86-74-8	Carbazole	ND		94.3	70.9	75	74.2	79	5	59-113/21
218-01-9	Chrysene	ND		94.3	75.9	80	79.2	84	4	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	61.9	66	74.6	79	19	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	62.6	66	67.5	72	8	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	66.5	70	77.1	82	15	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	66.9	71	71.8	76	7	62-105/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	FA12080-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		94.3	55.0	58	63.0	67	14	48-97/24
122-66-7	1,2-Diphenylhydrazine	1.3	J	94.3	77.5	82	88.7	94	13	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		94.3	54.3	58	62.9	67	15	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		94.3	56.9	60	65.8	70	15	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		94.3	68.6	73	75.0	80	9	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		94.3	70.9	75	74.7	79	5	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	ND	0*	ND	0*	nc	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	75.7	80	77.8	82	3	66-119/24
132-64-9	Dibenzofuran	ND		94.3	71.2	75	76.5	81	7	61-106/21
84-74-2	Di-n-butyl phthalate	19.8		94.3	80.8	64*	85.5	69	6	65-107/21
117-84-0	Di-n-octyl phthalate	ND		94.3	75.1	80	78.9	84	5	62-118/24
84-66-2	Diethyl phthalate	ND		94.3	70.2	74	73.8	78	5	64-108/21
131-11-3	Dimethyl phthalate	1.7	J	94.3	65.6	70	68.9	73	5	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	4.7		94.3	71.6	68	74.6	71	4	61-117/23
206-44-0	Fluoranthene	ND		94.3	68.3	72	77.0	82	12	63-106/21
86-73-7	Fluorene	ND		94.3	74.5	79	80.2	85	7	62-108/20
118-74-1	Hexachlorobenzene	ND		94.3	68.5	73	72.8	77	6	63-108/22
87-68-3	Hexachlorobutadiene	ND		94.3	57.5	61	67.3	71	16	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		94.3	45.9	49	49.6	53	8	39-102/29
67-72-1	Hexachloroethane	ND		94.3	57.0	60	67.0	71	16	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	67.8	72	70.3	75	4	64-119/24
78-59-1	Isophorone	ND		94.3	65.6	70	75.1	80	14	43-87/25
90-12-0	1-Methylnaphthalene	ND		94.3	73.6	78	81.5	86	10	53-102/27
91-57-6	2-Methylnaphthalene	0.71	J	94.3	65.1	69	72.9	77	11	51-102/26
88-74-4	2-Nitroaniline	ND		94.3	73.7	78	79.9	85	8	54-128/24
99-09-2	3-Nitroaniline	ND		94.3	15.4	16*	25.6	27*	50*	56-106/27
100-01-6	4-Nitroaniline	ND		94.3	22.5	24*	32.6	35*	37*	55-120/24
91-20-3	Naphthalene	1.5	J	94.3	64.4	68	73.2	78	13	47-100/29
98-95-3	Nitrobenzene	ND		94.3	70.2	74	76.8	81	9	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		94.3	39.7	42	50.2	53	23	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	74.6	79	84.5	90	12	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		94.3	71.1	75	84.2	89	17	64-108/23
85-01-8	Phenanthrene	ND		94.3	75.2	80	77.8	82	3	66-110/21
129-00-0	Pyrene	ND		94.3	77.5	82	80.5	85	4	64-113/23
110-86-1	Pyridine	ND		94.3	37.9	40	51.1	54	30	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	55.8	59	65.2	69	16	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50319-MS	U043357.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
OP50319-MSD	U043358.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	U043356.D	1	02/04/14	NAF	02/03/14	OP50319	SU2012
FA12080-1	L0676792.D	4	02/05/14	NAF	02/03/14	OP50319	SL3398

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-1	FA12080-1	Limits
367-12-4	2-Fluorophenol	43%	58%	35%	41%	14-67%
4165-62-2	Phenol-d5	33%	47%	23%	25%	10-50%
118-79-6	2,4,6-Tribromophenol	73%	90%	85%	89%	33-118%
4165-60-0	Nitrobenzene-d5	69%	78%	74%	83%	42-108%
321-60-8	2-Fluorobiphenyl	71%	78%	73%	86%	40-106%
1718-51-0	Terphenyl-d14	92%	95%	93%	99%	39-121%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MB	CC043309.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	84%	33-145%

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50321-MB	KK61487.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	42-127%
2051-24-3	Decachlorobiphenyl	84%	27-127%

Method Blank Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50322-MB	ST124024.D	1	02/04/14	MV	02/03/14	OP50322	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	88%	38-127%
2051-24-3	Decachlorobiphenyl	90%	25-137%

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-BS	CC043308.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	5.3	106	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.56	112	76-142
93-76-5	2,4,5-T	0.5	0.54	108	75-149
1918-00-9	Dicamba	0.5	0.51	102	51-150
88-85-7	Dinoseb	2.5	1.6	64	10-122
75-99-0	Dalapon	12.5	10.6	85	19-132
120-36-5	Dichloroprop	5	6.4	128	76-160
94-82-6	2,4-DB	5	5.7	114	65-145
93-65-2	MCPP	500	538	108	66-131
94-74-6	MCPA	500	492	98	64-137
87-86-5	Pentachlorophenol	0.5	0.46	92	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	90%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50321-BS	KK61486.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.46	92	61-126
319-84-6	alpha-BHC	0.5	0.49	98	66-129
319-85-7	beta-BHC	0.5	0.49	98	66-132
319-86-8	delta-BHC	0.5	0.47	94	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.48	96	68-132
5103-71-9	alpha-Chlordane	0.5	0.46	92	66-131
5103-74-2	gamma-Chlordane	0.5	0.47	94	68-128
60-57-1	Dieldrin	0.5	0.45	90	66-138
72-54-8	4,4'-DDD	0.5	0.44	88	63-138
72-55-9	4,4'-DDE	0.5	0.45	90	59-133
50-29-3	4,4'-DDT	0.5	0.61	122	55-145
72-20-8	Endrin	0.5	0.50	100	71-147
1031-07-8	Endosulfan sulfate	0.5	0.44	88	64-128
7421-93-4	Endrin aldehyde	0.5	0.37	74	60-130
53494-70-5	Endrin ketone	0.5	0.44	88	66-137
959-98-8	Endosulfan-I	0.5	0.34	68	66-133
33213-65-9	Endosulfan-II	0.5	0.37	74	65-133
76-44-8	Heptachlor	0.5	0.49	98	63-130
1024-57-3	Heptachlor epoxide	0.5	0.47	94	67-129
72-43-5	Methoxychlor	0.5	0.56	112	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	42-127%
2051-24-3	Decachlorobiphenyl	84%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50322-BS	ST124023.D	1	02/04/14	MV	02/03/14	OP50322	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.6	90	57-122
11096-82-5	Aroclor 1260	4	3.3	83	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	38-127%
2051-24-3	Decachlorobiphenyl	98%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50343-MS	CC043311.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
OP50343-MSD	CC043312.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635
FA12080-8	CC043310.D	1	02/06/14	NJ	02/04/14	OP50343	GCC635

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	FA12080-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		9.43	11.5	122	10.5	111	9	69-138/21
93-72-1	2,4,5-TP (Silvex)	ND		0.943	1.1	117	1.0	106	10	76-142/27
93-76-5	2,4,5-T	ND		0.943	1.1	117	1.0	106	10	75-149/22
1918-00-9	Dicamba	ND		0.943	1.1	117	1.0	106	10	51-150/23
88-85-7	Dinoseb	ND		4.72	3.2	68	2.8	59	13	10-122/35
75-99-0	Dalapon	ND		23.6	24.4	103	12.8	54	62*	19-132/28
120-36-5	Dichloroprop	ND		9.43	13.7	145	12.7	135	8	76-160/21
94-82-6	2,4-DB	ND		9.43	11.3	120	10.3	109	9	65-145/26
93-65-2	MCPP	ND		943	1170	124	986	105	17	66-131/21
94-74-6	MCPA	ND		943	1030	109	955	101	8	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	0.97	103	0.91	96	6	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12080-8	Limits
19719-28-9	2,4-DCAA	110%	101%	89%	33-145%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50321-MS	KK61489.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
OP50321-MSD	KK61490.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059
FA12118-1	KK61488.D	1	02/04/14	EM	02/03/14	OP50321	GKK2059

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	FA12118-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	0.048	U	0.943	0.90	95	0.91	96	1	61-126/21
319-84-6	alpha-BHC	0.048	U	0.943	0.92	98	0.90	95	2	66-129/23
319-85-7	beta-BHC	0.048	U	0.943	0.95	101	0.94	100	1	66-132/23
319-86-8	delta-BHC	0.048	U	0.943	1.0	106	0.99	105	1	41-142/27
58-89-9	gamma-BHC (Lindane)	0.048	U	0.943	0.94	100	0.92	98	2	68-132/22
5103-71-9	alpha-Chlordane	0.048	U	0.943	0.91	96	0.88	93	3	66-131/24
5103-74-2	gamma-Chlordane	0.048	U	0.943	0.92	98	0.92	98	0	68-128/21
60-57-1	Dieldrin	0.048	U	0.943	0.88	93	0.87	92	1	66-138/22
72-54-8	4,4'-DDD	0.096	U	0.943	0.85	90	0.90	95	6	63-138/24
72-55-9	4,4'-DDE	0.096	U	0.943	0.85	90	0.87	92	2	59-133/23
50-29-3	4,4'-DDT	0.096	U	0.943	1.4	148*	1.5	159*	7	55-145/27
72-20-8	Endrin	0.096	U	0.943	1.0	106	1.0	106	0	71-147/23
1031-07-8	Endosulfan sulfate	0.096	U	0.943	0.88	93	0.91	96	3	64-128/26
7421-93-4	Endrin aldehyde	0.096	U	0.943	0.78	83	0.79	84	1	60-130/22
53494-70-5	Endrin ketone	0.096	U	0.943	0.90	95	0.93	99	3	66-137/25
959-98-8	Endosulfan-I	0.048	U	0.943	0.65	69	0.67	71	3	66-133/21
33213-65-9	Endosulfan-II	0.048	U	0.943	0.71	75	0.73	77	3	65-133/22
76-44-8	Heptachlor	0.048	U	0.943	0.97	103	1.0	106	3	63-130/23
1024-57-3	Heptachlor epoxide	0.048	U	0.943	0.88	93	0.87	92	1	67-129/23
72-43-5	Methoxychlor	0.096	U	0.943	1.3	138*	1.4	148*	7	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12118-1	Limits
877-09-8	Tetrachloro-m-xylene	95%	93%	95%	42-127%
2051-24-3	Decachlorobiphenyl	85%	83%	76%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12102
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50322-MS	ST124028.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
OP50322-MSD	ST124029.D	1	02/04/14	MV	02/03/14	OP50322	GST2947
FA12102-3 [a]	ST124027.D	1	02/04/14	MV	02/03/14	OP50322	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12102-1, FA12102-2, FA12102-3, FA12102-4, FA12102-5

CAS No.	Compound	FA12102-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	7.4	98	7.0	93	6	57-122/18
11096-82-5	Aroclor 1260	0.58		7.55	7.7	94	7.7	94	0	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12102-3	Limits
877-09-8	Tetrachloro-m-xylene	95%	97%	103%	38-127%
2051-24-3	Decachlorobiphenyl	85%	100%	82%	25-137%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-15	<200
Antimony	6.0	2	2.3	-2.5	<6.0
Arsenic	10	2	2.4	-0.10	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	1.1	<1000
Chromium	10	1	2	0.0	<10
Cobalt	50	.5	.5	-0.10	<50
Copper	25	1	1	-0.10	<25
Iron	300	17	17	-17	<300
Lead	5.0	1.1	1.1	0.50	<5.0
Magnesium	5000	50	56	0.10	<5000
Manganese	15	.5	1	-0.10	<15
Molybdenum	50	.5	.5	-1.1	<50
Nickel	40	.5	.5	0.10	<40
Potassium	10000	200	200	-26	<10000
Selenium	10	2.3	2.3	-0.10	<10
Silver	10	.65	.77	0.10	<10
Sodium	10000	500	500	-1.8	<10000
Strontium	10	.4	.4	-0.20	<10
Thallium	10	1.5	2	0.50	<10
Tin	50	.7	1	-1.3	<50
Titanium	10	.9	1	-1.1	<10
Vanadium	50	.5	.5	0.0	<50
Zinc	20	3	3	2.7	<20

Associated samples MP26762: FA12102-1, FA12102-2, FA12102-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14 02/03/14

Metal	FA12118-1 Original	DUP	RPD	QC Limits	FA12118-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	0.0	0.0	NC	0-20	0.0	28600	27000	105.9	80-120
Antimony	0.0	0.0	NC	0-20	0.0	536	500	107.2	80-120
Arsenic	6.4	6.8	6.1	0-20	6.4	2160	2000	107.7	80-120
Barium	32.7	32.9	0.6	0-20	32.7	2210	2000	108.9	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	53.1	50	106.2	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	50.1	50	100.2	80-120
Calcium	588000	592000	0.7	0-20	588000	582000	25000	-24.0(c)	80-120
Chromium	1.1	1.5	30.8 (a)	0-20	1.1	213	200	106.0	80-120
Cobalt	15.4	15.3	0.7	0-20	15.4	526	500	102.1	80-120
Copper	0.0	0.0	NC	0-20	0.0	269	250	107.6	80-120
Iron	5330	5310	0.4	0-20	5330	31600	26000	101.0	80-120
Lead	0.0	0.0	NC	0-20	0.0	516	500	103.2	80-120
Magnesium	55000	55200	0.4	0-20	55000	77400	25000	89.6	80-120
Manganese	10700	10800	0.9	0-20	10700	10800	500	20.0 (c)	80-120
Molybdenum	0.0	0.0	NC	0-20	0.0	491	500	98.2	80-120
Nickel	12.2	12.0	1.7	0-20	12.2	531	500	103.8	80-120
Potassium	2140	2110	1.4	0-20	2140	30000	25000	111.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2150	2000	107.5	80-120
Silver	1.0	1.5	40.0 (a)	0-20	1.0	53.9	50	105.8	80-120
Sodium	138000	136000(b	1.5	0-20	138000	155000(b	25000	68.0 (c)	80-120
Strontium	4150	4100	1.2	0-20	4150	4380	500	46.0 (c)	80-120
Thallium	10.6	9.2	14.1	0-20	10.6	2060	2000	102.5	80-120
Tin	0.0	0.0	NC	0-20	0.0	496	500	99.2	80-120
Titanium	1.0	0.0	200.0(a)	0-20	1.0	510	500	101.8	80-120
Vanadium	4.8	4.6	4.3	0-20	4.8	514	500	101.8	80-120
Zinc	8.0	7.8	2.5	0-20	8.0	517	500	101.8	80-120

Associated samples MP26762: FA12102-1, FA12102-2, FA12102-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Above linear range. For QC purposes only.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12118-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	0.0	29200	27000	108.1	2.1	20
Antimony	0.0	539	500	107.8	0.6	20
Arsenic	6.4	2180	2000	108.7	0.9	20
Barium	32.7	2220	2000	109.4	0.5	20
Beryllium	0.0	53.4	50	106.8	0.6	20
Cadmium	0.0	50.3	50	100.6	0.4	20
Calcium	588000	593000	25000	20.0 (a)	1.9	20
Chromium	1.1	215	200	107.0	0.9	20
Cobalt	15.4	529	500	102.7	0.6	20
Copper	0.0	272	250	108.8	1.1	20
Iron	5330	32300	26000	103.7	2.2	20
Lead	0.0	520	500	104.0	0.8	20
Magnesium	55000	78700	25000	94.8	1.7	20
Manganese	10700	11000	500	60.0 (a)	1.8	20
Molybdenum	0.0	503	500	100.6	2.4	20
Nickel	12.2	534	500	104.4	0.6	20
Potassium	2140	30800	25000	114.6	2.6	20
Selenium	0.0	2180	2000	109.0	1.4	20
Silver	1.0	54.4	50	106.8	0.9	20
Sodium	138000	158000(b	25000	80.0	1.9	20
Strontium	4150	4530	500	76.0 (a)	3.4	20
Thallium	10.6	2080	2000	103.5	1.0	20
Tin	0.0	508	500	101.6	2.4	20
Titanium	1.0	525	500	104.8	2.9	20
Vanadium	4.8	516	500	102.2	0.4	20
Zinc	8.0	521	500	102.6	0.8	20

Associated samples MP26762: FA12102-1, FA12102-2, FA12102-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Above linear range. For QC purposes only.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27500	27000	101.9	80-120
Antimony	485	500	97.0	80-120
Arsenic	1950	2000	97.5	80-120
Barium	2040	2000	102.0	80-120
Beryllium	51.3	50	102.6	80-120
Cadmium	49.3	50	98.6	80-120
Calcium	25600	25000	102.4	80-120
Chromium	206	200	103.0	80-120
Cobalt	497	500	99.4	80-120
Copper	257	250	102.8	80-120
Iron	26400	26000	101.5	80-120
Lead	499	500	99.8	80-120
Magnesium	25000	25000	100.0	80-120
Manganese	509	500	101.8	80-120
Molybdenum	471	500	94.2	80-120
Nickel	503	500	100.6	80-120
Potassium	26100	25000	104.4	80-120
Selenium	1940	2000	97.0	80-120
Silver	49.2	50	98.4	80-120
Sodium	25800	25000	103.2	80-120
Strontium	492	500	98.4	80-120
Thallium	2010	2000	100.5	80-120
Tin	486	500	97.2	80-120
Titanium	498	500	99.6	80-120
Vanadium	484	500	96.8	80-120
Zinc	503	500	100.6	80-120

Associated samples MP26762: FA12102-1, FA12102-2, FA12102-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12118-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	6.40	0.00	100.0(a)	0-10
Barium	32.7	35.0	7.0	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	588000	627000	6.5	0-10
Chromium	1.10	0.00	100.0(a)	0-10
Cobalt	15.4	15.7	1.9	0-10
Copper	0.00	0.00	NC	0-10
Iron	5330	5370	0.8	0-10
Lead	0.00	6.80	NC	0-10
Magnesium	55000	57800	5.0	0-10
Manganese	10700	11700	8.7	0-10
Molybdenum	0.00	0.00	NC	0-10
Nickel	12.2	11.9	2.5	0-10
Potassium	2140	1780	16.9 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	1.00	0.00	100.0(a)	0-10
Sodium	138000	142000	2.9	0-10
Strontium	4150	4210	1.3	0-10
Thallium	10.6	13.1	23.6 (a)	0-10
Tin	0.00	0.00	NC	0-10
Titanium	1.00	0.00	100.0(a)	0-10
Vanadium	4.80	4.60	4.2	0-10
Zinc	8.00	0.00	100.0(a)	0-10

Associated samples MP26762: FA12102-1, FA12102-2, FA12102-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12118-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10			2651	0.2	125	2500	106.0	80-120
Antimony	9.8	10			107.5	0.2	5	100	107.5	80-120
Arsenic	9.8	10	6.4	6.272	115.1	0.2	5	100	108.8	80-120
Barium	9.8	10	32.7	32.046	300.5	0.2	12.5	250	107.4	80-120
Beryllium	9.8	10			52.1	0.2	2.5	50	104.2	80-120
Cadmium	9.8	10			49.9	0.2	2.5	50	99.8	80-120
Calcium	9.8	10	588300	576534	585800	0.2	250	5000	185.3*(a	80-120
Chromium	9.8	10	1.1	1.078	53.2	0.2	2.5	50	104.2	80-120
Cobalt	9.8	10	15.4	15.092	65.7	0.2	2.5	50	101.2	80-120
Copper	9.8	10			102.7	0.2	5	100	102.7	80-120
Iron	9.8	10	5328	5221.44	8201	0.2	150	3000	99.3	80-120
Lead	9.8	10			51	0.2	2.5	50	102.0	80-120
Magnesium	9.8	10	55000	53900	59370	0.2	250	5000	109.4	80-120
Manganese	9.8	10	10740	10525.2	10730	0.2	2.5	50	409.6*(a	80-120
Molybdenum	9.8	10			99.3	0.2	5	100	99.3	80-120
Nickel	9.8	10	12.2	11.956	115.2	0.2	5	100	103.2	80-120
Potassium	9.8	10	2144	2101.12	13060	0.2	500	10000	109.6	80-120
Selenium	9.8	10			102.1	0.2	5	100	102.1	80-120
Silver	9.8	10	1	.98	54.8	0.2	2.5	50	107.6	80-120
Sodium	9.8	10	137900	135142	144400	0.2	500	10000	92.6	80-120
Strontium	9.8	10	4152	4068.96	4120	0.2	2.5	50	102.1	80-120
Thallium	9.8	10	10.6	10.388	112.6	0.2	5	100	102.2	80-120
Tin	9.8	10			48.1	0.2	2.5	50	96.2	80-120
Titanium	9.8	10	1	.98	104.1	0.2	5	100	103.1	80-120
Vanadium	9.8	10	4.8	4.704	54.4	0.2	2.5	50	99.4	80-120
Zinc	9.8	10	8	7.84	259.8	0.2	12.5	250	100.8	80-120

Associated samples MP26762: FA12102-1, FA12102-2, FA12102-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	3.8	<200
Antimony	6.0	2	2.3	-0.60	<6.0
Arsenic	10	2	2.4	-0.40	<10
Barium	200	1	1	-0.30	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	-4.0	<1000
Chromium	10	1	2	-0.20	<10
Cobalt	50	.5	.5	-0.10	<50
Copper	25	1	1	0.50	<25
Iron	300	17	17	-17	<300
Lead	5.0	1.1	1.1	0.60	<5.0
Magnesium	5000	50	56	-5.3	<5000
Manganese	15	.5	1	0.10	<15
Molybdenum	50	.5	.5	-0.70	<50
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200	-17	<10000
Selenium	10	2.3	2.3	0.40	<10
Silver	10	.65	.77	-0.40	<10
Sodium	10000	500	500	-12	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-0.10	<10
Tin	50	.7	1	-0.40	<50
Titanium	10	.9	1	-1.1	<10
Vanadium	50	.5	.5	0.20	<50
Zinc	20	3	3	3.3	<20

Associated samples MP26766: FA12102-4, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/03/14					02/03/14	
Metal	FA12143-2 Original	DUP	RPD	QC Limits	FA12143-2 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	1610	1600	0.6	0-20	1610	29500	27000	103.3	80-120
Antimony	17.7	17.9	1.1	0-20	17.7	494	500	95.3	80-120
Arsenic	5.9	5.8	1.7	0-20	5.9	1980	2000	98.7	80-120
Barium	70.5	67.0	1.2	0-20	70.5	2120	2000	102.6	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	52.9	50	105.8	80-120
Cadmium	0.0	2.8	0.0	0-20	0.0	52.6	50	99.6	80-120
Calcium	21900	22100	0.9	0-20	21900	48700	25000	107.2	80-120
Chromium	1280	1260	1.6	0-20	1280	1720	200	220.0(a)	80-120
Cobalt	5.3	5.1	3.8	0-20	5.3	506	500	100.1	80-120
Copper	688	681	1.0	0-20	688	973	250	114.0	80-120
Iron	7160	7430	0.8	0-20	7160	35900	26000	109.3	80-120
Lead	224	214	1.4	0-20	224	748	500	106.2	80-120
Magnesium	8870	8870	0.0	0-20	8870	33900	25000	100.1	80-120
Manganese	172	155	1.3	0-20	172	697	500	108.0	80-120
Molybdenum	8.9	9.5	4.1	0-20	8.9	506	500	99.2	80-120
Nickel	46.4	42.9	2.3	0-20	46.4	542	500	99.6	80-120
Potassium	6650	6580	1.1	0-20	6650	32100	25000	101.8	80-120
Selenium	3.3	3.3	0.0	0-20	3.3	1960	2000	97.8	80-120
Silver	1.9	1.8	5.4	0-20	1.9	51.8	50	99.8	80-120
Sodium	257000	259000	4.9	0-20	257000	297000	25000	100.0	80-120
Strontium	240	241	0.4	0-20	240	774	500	106.8	80-120
Thallium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Tin	0.0	3.5	5.6	0-20	0.0	503	500	99.9	80-120
Titanium	18.3	17.6	3.9	0-20	18.3	551	500	106.5	80-120
Vanadium	2.4	2.6	8.0	0-20	2.4	493	500	98.1	80-120
Zinc	424	416	1.9	0-20	424	949	500	105.0	80-120

Associated samples MP26766: FA12102-4, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	FA12143-2 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	1610	29500	27000	103.3	0.0	20
Antimony	17.7	497	500	95.9	0.6	20
Arsenic	5.9	2000	2000	99.7	1.0	20
Barium	70.5	2130	2000	103.1	0.5	20
Beryllium	0.0	52.9	50	105.8	0.0	20
Cadmium	0.0	52.6	50	99.6	0.0	20
Calcium	21900	48700	25000	107.2	0.0	20
Chromium	1280	1460	200	90.0	16.4	20
Cobalt	5.3	508	500	100.5	0.4	20
Copper	688	968	250	112.0	0.5	20
Iron	7160	35000	26000	105.8	2.5	20
Lead	224	729	500	102.4	2.6	20
Magnesium	8870	34100	25000	100.9	0.6	20
Manganese	172	694	500	107.4	0.4	20
Molybdenum	8.9	508	500	99.6	0.4	20
Nickel	46.4	545	500	100.2	0.6	20
Potassium	6650	32200	25000	102.2	0.3	20
Selenium	3.3	1970	2000	98.3	0.5	20
Silver	1.9	52.0	50	100.2	0.4	20
Sodium	257000	295000	25000	92.0	0.7	20
Strontium	240	767	500	105.4	0.9	20
Thallium	0.0	2020	2000	101.0	0.0	20
Tin	0.0	505	500	100.3	0.4	20
Titanium	18.3	552	500	106.7	0.2	20
Vanadium	2.4	495	500	98.5	0.4	20
Zinc	424	929	500	101.0	2.1	20

Associated samples MP26766: FA12102-4, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27200	27000	100.7	80-120
Antimony	474	500	94.8	80-120
Arsenic	1900	2000	95.0	80-120
Barium	2020	2000	101.0	80-120
Beryllium	50.9	50	101.8	80-120
Cadmium	48.2	50	96.4	80-120
Calcium	25500	25000	102.0	80-120
Chromium	204	200	102.0	80-120
Cobalt	489	500	97.8	80-120
Copper	258	250	103.2	80-120
Iron	26600	26000	102.3	80-120
Lead	492	500	98.4	80-120
Magnesium	24700	25000	98.8	80-120
Manganese	518	500	103.6	80-120
Molybdenum	487	500	97.4	80-120
Nickel	493	500	98.6	80-120
Potassium	24900	25000	99.6	80-120
Selenium	1890	2000	94.5	80-120
Silver	48.6	50	97.2	80-120
Sodium	25200	25000	100.8	80-120
Strontium	506	500	101.2	80-120
Thallium	1990	2000	99.5	80-120
Tin	499	500	99.8	80-120
Titanium	520	500	104.0	80-120
Vanadium	477	500	95.4	80-120
Zinc	492	500	98.4	80-120

Associated samples MP26766: FA12102-4, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12143-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	1610	1650	2.0	0-10
Antimony	17.7	13.6	23.2 (a)	0-10
Arsenic	5.90	0.00	100.0(a)	0-10
Barium	70.5	70.0	3.2	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	2.80	2.50	10.7 (a)	0-10
Calcium	21900	24300	10.7*(b)	0-10
Chromium	1280	1290	0.9	0-10
Cobalt	5.30	5.10	3.8	0-10
Copper	697	704	2.3	0-10
Iron	7490	7490	0.0	0-10
Lead	224	217	0.0	0-10
Magnesium	8870	9260	4.5	0-10
Manganese	172	160	2.1	0-10
Molybdenum	9.90	6.10	38.4 (a)	0-10
Nickel	46.4	43.9	0.0	0-10
Potassium	6360	6640	0.3	0-10
Selenium	0.00	0.00	NC (a)	0-10
Silver	0.00	0.00	NC (a)	0-10
Sodium	257000	262000	3.9	0-10
Strontium	240	252	4.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	3.70	0.00	100.0(a)	0-10
Titanium	18.3	13.3	27.3 (a)	0-10
Vanadium	3.50	2.70	12.5 (a)	0-10
Zinc	424	431	1.6	0-10

Associated samples MP26766: FA12102-4, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12143-2 Raw	FA12143-2 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1614	1581.72	4093	0.2	125	2500	100.5	80-120
Antimony	9.8	10	17.7	17.346	113.1	0.2	5	100	95.8	80-120
Arsenic	9.8	10	5.9	5.782	104.9	0.2	5	100	99.1	80-120
Barium	9.8	10	70.5	66.444	317.8	0.2	12.5	250	100.5	80-120
Beryllium	9.8	10			51.3	0.2	2.5	50	102.6	80-120
Cadmium	9.8	10		2.744	52.6	0.2	2.5	50	99.7	80-120
Calcium	9.8	10	21920	21481.6	27210	0.2	250	5000	114.6	80-120
Chromium	9.8	10	1276	1250.48	1305	0.2	2.5	50	109.0	80-120
Cobalt	9.8	10	5.3	5.194	54.5	0.2	2.5	50	98.6	80-120
Copper	9.8	10	687.7	673.946	782.1	0.2	5	100	108.2	80-120
Iron	9.8	10	7157	7343.14	10380	0.2	150	3000	101.2	80-120
Lead	9.8	10	223.5	212.366	264.3	0.2	2.5	50	103.9	80-120
Magnesium	9.8	10	8868	8690.64	13560	0.2	250	5000	97.4	80-120
Manganese	9.8	10	171.8	153.762	206.3	0.2	2.5	50	105.1	80-120
Molybdenum	9.8	10	8.9	9.702	108.1	0.2	5	100	98.4	80-120
Nickel	9.8	10	46.4	43.022	141.2	0.2	5	100	98.2	80-120
Potassium	9.8	10	6654	6520.92	16300	0.2	500	10000	97.8	80-120
Selenium	9.8	10	3.3	3.234	98.1	0.2	5	100	94.9	80-120
Silver	9.8	10	1.9	1.862	51.4	0.2	2.5	50	99.1	80-120
Sodium	9.8	10	257400	266952	281500	0.2	500	10000	145.5*(a	80-120
Strontium	9.8	10	240.3	235.494	289.7	0.2	2.5	50	108.4	80-120
Thallium	9.8	10			100.9	0.2	5	100	100.9	80-120
Tin	9.8	10		3.626	51.1	0.2	2.5	50	94.9	80-120
Titanium	9.8	10	18.3	17.934	119.3	0.2	5	100	101.4	80-120
Vanadium	9.8	10	2.4	2.352	51.1	0.2	2.5	50	97.5	80-120
Zinc	9.8	10	423.7	415.226	669.3	0.2	12.5	250	101.6	80-120

Associated samples MP26766: FA12102-4, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.060	<0.50

Associated samples MP26787: FA12102-1, FA12102-2, FA12102-3, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14 02/07/14

Metal	FA12080-1 Original	DUP	RPD	QC Limits	FA12080-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	2.3	26.4*(a)	0-20	3.0	5.8	3	93.3	80-120

Associated samples MP26787: FA12102-1, FA12102-2, FA12102-3, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High RPD indicates possible matrix interference. Aqueous sample contains heavy sediment layer.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	3.0	4.5	3	50.0N(a)	25.2 (a)	20

Associated samples MP26787: FA12102-1, FA12102-2, FA12102-3, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26787: FA12102-1, FA12102-2, FA12102-3, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

Metal	FA12080-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	2.95	2.51	15.1*(a)	0-10

Associated samples MP26787: FA12102-1, FA12102-2, FA12102-3, FA12102-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26808 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/12/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.012	<0.50

Associated samples MP26808: FA12102-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26808
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/12/14 02/12/14

Metal	FA12229-1 Original	DUP	RPD	QC Limits	FA12229-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.26	0.21	21.3 (a)	0-20	0.26	3.0	3	91.3	80-120

Associated samples MP26808: FA12102-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26808 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/12/14

Metal	FA12229-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.26	3.1	3	94.7	3.3	20

Associated samples MP26808: FA12102-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26808
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/12/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.8	3	93.3	80-120

Associated samples MP26808: FA12102-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12102
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26808 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/12/14

Metal	FA12229-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.255	0.00	100.0(a)	0-10

Associated samples MP26808: FA12102-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

Southeast
ACCUTEST LABORATORIES

02/12/14

Technical Report for

ISI Environmental Services

Clean Harbors; KS

Accutest Job Number: FA12143

Sampling Date: 01/31/14

Report to:

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Total number of pages in report: **162**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

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8.2: Prep QC MP26766: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se, Ag,Na,Sr,Tl,Sn,Ti,V,Zn 152
8.3: Prep QC MP26795: Hg 158

Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; KS

Job No: FA12143

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12143-1	01/31/14	11:30	BGSK	02/01/14	AQ	Water	BLD D NT 15A INT
FA12143-2	01/31/14	11:50	BGSK	02/01/14	AQ	Water	BLD D NT 15C INT
FA12143-3	01/31/14	12:15	BGSK	02/01/14	AQ	Water	BLD D NT 15D INT
FA12143-4	01/31/14	12:40	BGSK	02/01/14	AQ	Water	BLD D NT 14 INT
FA12143-4F	01/31/14	12:40	BGSK	02/01/14	AQ	Water Filtered	BLD D NT 14 INT
FA12143-5	01/31/14	13:10	BGSK	02/01/14	AQ	Water	BLD D NT 16 INT
FA12143-6	01/31/14	13:25	BGSK	02/01/14	AQ	Water	BLD D RM 6A
FA12143-7	01/31/14	13:40	BGSK	02/01/14	AQ	Water	BLD D RM 6B
FA12143-8	01/31/14	00:00	BGSK	02/01/14	AQ	Water	DUP 2
FA12143-9	01/31/14	00:00	BGSK	02/01/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/31/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12143-1	**BLD D NT 15A INT**					
Acetone [a]		26.4	25	11	ug/l	SW846 8260B
Acrolein [b]		8.7 J	20	6.4	ug/l	SW846 8260B
Benzene [c]		4.1	1.0	0.24	ug/l	SW846 8260B
Bromodichloromethane [c]		0.76 J	1.0	0.26	ug/l	SW846 8260B
Chlorobenzene [c]		0.25 J	1.0	0.24	ug/l	SW846 8260B
Chloroform [c]		0.56 J	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane [c]		1.0	1.0	0.36	ug/l	SW846 8260B
Ethylbenzene [c]		2.3	1.0	0.28	ug/l	SW846 8260B
Naphthalene [c]		4.4	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene [c]		0.45 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [c]		4.8	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene [c]		1.0 J	2.0	0.20	ug/l	SW846 8260B
Toluene [c]		12.9	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [c]		9.8	2.0	0.48	ug/l	SW846 8260B
o-Xylene [c]		4.7	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [d]		56.7 J	190	38	ug/l	SW846 8270D
2-Methylphenol		0.74 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		1.6 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.83 J	4.7	0.56	ug/l	SW846 8270D
Phenol		11.4	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		1.0 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		3.2 J	4.7	0.94	ug/l	SW846 8270D
Carbazole		1.1 J	4.7	0.58	ug/l	SW846 8270D
Di-n-butyl phthalate		2.6 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		3.6 J	4.7	1.5	ug/l	SW846 8270D
1-Methylnaphthalene		0.71 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		1.2 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		5.5	4.7	0.47	ug/l	SW846 8270D
Phenanthrene		1.0 J	4.7	0.56	ug/l	SW846 8270D
2,4-D [e]		5.9 J	24	4.3	ug/l	SW846 8151A
2,4,5-T [f]		2.3 J	2.4	0.68	ug/l	SW846 8151A
Aluminum		287	200		ug/l	SW846 6010C
Calcium		24400	1000		ug/l	SW846 6010C
Chromium		577	10		ug/l	SW846 6010C
Copper		387	25		ug/l	SW846 6010C
Iron		1980	300		ug/l	SW846 6010C
Lead		62.5	5.0		ug/l	SW846 6010C
Magnesium		12200	5000		ug/l	SW846 6010C
Manganese		125	15		ug/l	SW846 6010C
Mercury		1.2	0.50		ug/l	SW846 7470A
Sodium		157000	40000		ug/l	SW846 6010C
Strontium		238	10		ug/l	SW846 6010C
Zinc		212	20		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/31/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12143-2	**BLD D NT 15C INT**					
Acetone [c]		30.0	25	11	ug/l	SW846 8260B
Benzene [c]		4.6	1.0	0.24	ug/l	SW846 8260B
Chlorobenzene [c]		0.58 J	1.0	0.24	ug/l	SW846 8260B
Dibromochloromethane [c]		0.44 J	1.0	0.36	ug/l	SW846 8260B
Ethylbenzene [c]		2.5	1.0	0.28	ug/l	SW846 8260B
Methyl ethyl ketone [c]		5.7	5.0	1.5	ug/l	SW846 8260B
Naphthalene [c]		5.8	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene [c]		0.54 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [c]		5.3	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene [c]		1.3 J	2.0	0.20	ug/l	SW846 8260B
Toluene [c]		12.8	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [c]		10.3	2.0	0.48	ug/l	SW846 8260B
o-Xylene [c]		5.2	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [d]		165 J	190	38	ug/l	SW846 8270D
2,4-Dinitrophenol		6.9 J	24	5.1	ug/l	SW846 8270D
2-Nitrophenol		3.6 J	4.7	0.56	ug/l	SW846 8270D
Phenol		3.7 J	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		3.8 J	4.7	0.94	ug/l	SW846 8270D
Carbazole		2.6 J	4.7	0.58	ug/l	SW846 8270D
Di-n-butyl phthalate		2.8 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.1 J	4.7	0.94	ug/l	SW846 8270D
Naphthalene		5.5	4.7	0.47	ug/l	SW846 8270D
Phenanthrene		2.8 J	4.7	0.56	ug/l	SW846 8270D
Pyrene		0.84 J	4.7	0.77	ug/l	SW846 8270D
2,4-D [f]		13.1 J	24	4.3	ug/l	SW846 8151A
2,4,5-T [f]		7.9	2.4	0.68	ug/l	SW846 8151A
Aluminum		1610	200		ug/l	SW846 6010C
Antimony		17.7	6.0		ug/l	SW846 6010C
Calcium		21900	1000		ug/l	SW846 6010C
Chromium		1280	10		ug/l	SW846 6010C
Copper		688	25		ug/l	SW846 6010C
Iron		7490	300		ug/l	SW846 6010C
Lead		217	5.0		ug/l	SW846 6010C
Magnesium		8870	5000		ug/l	SW846 6010C
Manganese		157	15		ug/l	SW846 6010C
Mercury		3.1	0.50		ug/l	SW846 7470A
Nickel		43.9	40		ug/l	SW846 6010C
Sodium		272000	50000		ug/l	SW846 6010C
Strontium		240	10		ug/l	SW846 6010C
Titanium		18.3	10		ug/l	SW846 6010C
Zinc		424	20		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12143-3	**BLD D NT 15D INT**					
Acetone		16.3 J	25	11	ug/l	SW846 8260B
Benzene		4.5	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		3.0	1.0	0.28	ug/l	SW846 8260B
Methylene chloride		6.6	5.0	2.0	ug/l	SW846 8260B
Naphthalene		3.2	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene		0.62 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		6.1	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		1.5 J	2.0	0.20	ug/l	SW846 8260B
Toluene		14.2	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		11.5	2.0	0.48	ug/l	SW846 8260B
o-Xylene		6.0	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [d]		38.5 J	190	38	ug/l	SW846 8270D
2-Methylphenol		0.95 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.0 J	4.7	1.1	ug/l	SW846 8270D
Phenol		7.5	4.7	0.47	ug/l	SW846 8270D
Benzyl Alcohol		5.5	4.7	0.94	ug/l	SW846 8270D
Carbazole		1.2 J	4.7	0.58	ug/l	SW846 8270D
Di-n-butyl phthalate		1.9 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.4 J	4.7	0.94	ug/l	SW846 8270D
1-Methylnaphthalene		0.97 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		1.6 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		4.4 J	4.7	0.47	ug/l	SW846 8270D
Phenanthrene		0.92 J	4.7	0.56	ug/l	SW846 8270D
2,4-D [f]		9.5 J	24	4.3	ug/l	SW846 8151A
2,4,5-T [f]		12.6	2.4	0.68	ug/l	SW846 8151A
Aluminum		923	200		ug/l	SW846 6010C
Antimony		10.7	6.0		ug/l	SW846 6010C
Calcium		30800	1000		ug/l	SW846 6010C
Chromium		836	10		ug/l	SW846 6010C
Copper		748	25		ug/l	SW846 6010C
Iron		8720	300		ug/l	SW846 6010C
Lead		82.1	5.0		ug/l	SW846 6010C
Magnesium		12500	5000		ug/l	SW846 6010C
Manganese		180	15		ug/l	SW846 6010C
Mercury		5.1	0.50		ug/l	SW846 7470A
Nickel		52.3	40		ug/l	SW846 6010C
Potassium		11000	10000		ug/l	SW846 6010C
Sodium		160000	40000		ug/l	SW846 6010C
Strontium		253	10		ug/l	SW846 6010C
Zinc		308	20		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12143-4	**BLD D NT 14 INT**					
Acetone [g]		61.8 J	25	11	ug/l	SW846 8260B
Acrolein [g]		52.0 J	20	6.4	ug/l	SW846 8260B
Benzene [h]		0.29 J	1.0	0.24	ug/l	SW846 8260B
n-Butylbenzene [h]		2.9	1.0	0.30	ug/l	SW846 8260B
sec-Butylbenzene [h]		1.0	1.0	0.27	ug/l	SW846 8260B
2-Hexanone [h]		7.8 J	10	2.0	ug/l	SW846 8260B
p-Isopropyltoluene [h]		0.98 J	1.0	0.24	ug/l	SW846 8260B
Methyl chloride [h]		2.0	2.0	0.53	ug/l	SW846 8260B
Methyl ethyl ketone [h]		7.4	5.0	1.5	ug/l	SW846 8260B
Naphthalene [h]		89.8	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene [h]		0.37 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [h]		8.9	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene [h]		1.3 J	2.0	0.20	ug/l	SW846 8260B
Toluene [h]		0.58 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [h]		0.48 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene [h]		0.35 J	1.0	0.20	ug/l	SW846 8260B
Carbazole [i]		6.3 J	47	5.8	ug/l	SW846 8270D
Dibenzofuran [i]		7.7 J	47	5.0	ug/l	SW846 8270D
Fluorene [i]		5.0 J	47	4.7	ug/l	SW846 8270D
1-Methylnaphthalene [i]		61.8	47	4.7	ug/l	SW846 8270D
2-Methylnaphthalene [i]		84.2	47	5.0	ug/l	SW846 8270D
Naphthalene [i]		47.7	47	4.7	ug/l	SW846 8270D
Phenanthrene [i]		15.6 J	47	5.6	ug/l	SW846 8270D
2,4-D [f]		16.2 J	24	4.3	ug/l	SW846 8151A
Dicamba [f]		3.7	2.4	0.65	ug/l	SW846 8151A
Pentachlorophenol [f]		1.4 J	2.4	0.54	ug/l	SW846 8151A
Aluminum		2380	200		ug/l	SW846 6010C
Arsenic		39.7	10		ug/l	SW846 6010C
Cadmium		159	5.0		ug/l	SW846 6010C
Calcium		119000	1000		ug/l	SW846 6010C
Chromium		498	10		ug/l	SW846 6010C
Cobalt		3510	50		ug/l	SW846 6010C
Copper		1240	25		ug/l	SW846 6010C
Iron		96400	300		ug/l	SW846 6010C
Lead		1420	5.0		ug/l	SW846 6010C
Magnesium		37700	5000		ug/l	SW846 6010C
Manganese		16100	150		ug/l	SW846 6010C
Mercury		4950	500		ug/l	SW846 7470A
Nickel		340	40		ug/l	SW846 6010C
Potassium		23000	10000		ug/l	SW846 6010C
Sodium		462000	100000		ug/l	SW846 6010C
Strontium		1220	10		ug/l	SW846 6010C
Thallium		22.3	10		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Titanium		48.2	10		ug/l	SW846 6010C
Zinc		146000	500		ug/l	SW846 6010C
FA12143-5	**BLD D NT 16 INT**					
Acetone [c]		21.1 J	25	11	ug/l	SW846 8260B
Benzene [c]		1.9	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene [c]		0.67 J	1.0	0.28	ug/l	SW846 8260B
Naphthalene [c]		1.2 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [c]		0.70 J	2.0	0.24	ug/l	SW846 8260B
Toluene [c]		3.5	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [c]		1.8 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene [c]		1.0	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [d]		15.9 J	47	9.4	ug/l	SW846 8270D
4-Chloro-3-methyl phenol		0.76 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		0.50 J	4.7	0.47	ug/l	SW846 8270D
Benzo(a)anthracene		2.1 J	4.7	0.61	ug/l	SW846 8270D
Benzyl Alcohol		1.9 J	4.7	0.94	ug/l	SW846 8270D
Carbazole		0.73 J	4.7	0.58	ug/l	SW846 8270D
Chrysene		11.9	4.7	0.68	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		9.8	4.7	1.5	ug/l	SW846 8270D
Fluoranthene		1.4 J	4.7	0.66	ug/l	SW846 8270D
Naphthalene		1.2 J	4.7	0.47	ug/l	SW846 8270D
Phenanthrene		0.65 J	4.7	0.56	ug/l	SW846 8270D
Pyrene		5.0	4.7	0.77	ug/l	SW846 8270D
Dicamba [f]		0.87 J	0.94	0.26	ug/l	SW846 8151A
Aluminum		582	200		ug/l	SW846 6010C
Cadmium		118	5.0		ug/l	SW846 6010C
Calcium		34800	1000		ug/l	SW846 6010C
Chromium		95.7	10		ug/l	SW846 6010C
Copper		190	25		ug/l	SW846 6010C
Iron		39900	300		ug/l	SW846 6010C
Lead		344	5.0		ug/l	SW846 6010C
Magnesium		13600	5000		ug/l	SW846 6010C
Manganese		692	15		ug/l	SW846 6010C
Nickel		595	40		ug/l	SW846 6010C
Sodium		88000	20000		ug/l	SW846 6010C
Strontium		239	10		ug/l	SW846 6010C
Titanium		14.3	10		ug/l	SW846 6010C
Zinc		660	20		ug/l	SW846 6010C
FA12143-6	**BLD D RM 6A**					
Acetone [c]		27.5	25	11	ug/l	SW846 8260B
Acrolein [c]		10.1 J	20	6.4	ug/l	SW846 8260B

Summary of Hits

Job Number: FA12143
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Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Benzene [c]	2.5	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene [c]	1.2	1.0	0.28	ug/l	SW846 8260B
Naphthalene [c]	5.7	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [c]	2.6	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene [c]	0.67 J	2.0	0.20	ug/l	SW846 8260B
Toluene [c]	6.2	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [c]	5.0	2.0	0.48	ug/l	SW846 8260B
o-Xylene [c]	2.5	1.0	0.20	ug/l	SW846 8260B
2,4-Dimethylphenol	4.0 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol	2.1 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol	1.5 J	4.7	1.1	ug/l	SW846 8270D
Phenol	47.7	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene	0.94 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate	5.4	4.7	0.76	ug/l	SW846 8270D
Benzyl Alcohol	32.1	4.7	0.93	ug/l	SW846 8270D
Di-n-butyl phthalate	1.9 J	4.7	0.93	ug/l	SW846 8270D
Di-n-octyl phthalate	1.2 J	4.7	0.93	ug/l	SW846 8270D
Diethyl phthalate	2.2 J	4.7	0.93	ug/l	SW846 8270D
Dimethyl phthalate	8.0	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate	37.4	4.7	1.5	ug/l	SW846 8270D
1-Methylnaphthalene	1.0 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene	1.5 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene	2.8 J	4.7	0.47	ug/l	SW846 8270D
Phenanthrene	0.88 J	4.7	0.56	ug/l	SW846 8270D
Aroclor 1260 [j]	0.50	0.47	0.19	ug/l	SW846 8082A
2,4-D [f]	2.6 J	4.7	0.86	ug/l	SW846 8151A
Pentachlorophenol [f]	0.34 J	0.47	0.11	ug/l	SW846 8151A
Aluminum	1780	200		ug/l	SW846 6010C
Cadmium	30.1	5.0		ug/l	SW846 6010C
Calcium	84900	1000		ug/l	SW846 6010C
Chromium	70.3	10		ug/l	SW846 6010C
Copper	122	25		ug/l	SW846 6010C
Iron	2800	300		ug/l	SW846 6010C
Lead	423	5.0		ug/l	SW846 6010C
Magnesium	19100	5000		ug/l	SW846 6010C
Manganese	223	15		ug/l	SW846 6010C
Mercury	4.7	1.0		ug/l	SW846 7470A
Nickel	41.3	40		ug/l	SW846 6010C
Potassium	15700	10000		ug/l	SW846 6010C
Sodium	134000	40000		ug/l	SW846 6010C
Strontium	485	10		ug/l	SW846 6010C
Titanium	217	10		ug/l	SW846 6010C
Zinc	3900	20		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12143-7	**BLD D RM 6B**					
Acetone [c]		17.9 J	25	11	ug/l	SW846 8260B
Benzene [c]		0.92 J	1.0	0.24	ug/l	SW846 8260B
Naphthalene [c]		2.0 J	3.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [c]		0.69 J	2.0	0.24	ug/l	SW846 8260B
Toluene [c]		1.4	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [c]		1.0 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene [c]		0.56 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [d]		94.0	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		0.62 J	4.7	0.49	ug/l	SW846 8270D
2,4-Dimethylphenol		0.58 J	4.7	0.47	ug/l	SW846 8270D
2-Methylphenol		7.3	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		15.1	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.62 J	4.7	0.56	ug/l	SW846 8270D
Phenol		25.6	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		0.90 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		5.7	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		28.2	4.7	0.94	ug/l	SW846 8270D
Di-n-butyl phthalate		2.2 J	4.7	0.94	ug/l	SW846 8270D
Di-n-octyl phthalate		2.0 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.8 J	4.7	0.94	ug/l	SW846 8270D
Dimethyl phthalate		5.9	4.7	0.59	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		40.9	4.7	1.5	ug/l	SW846 8270D
Fluoranthene		0.75 J	4.7	0.66	ug/l	SW846 8270D
1-Methylnaphthalene		0.81 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		1.3 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		1.9 J	4.7	0.47	ug/l	SW846 8270D
Phenanthrene		0.99 J	4.7	0.56	ug/l	SW846 8270D
alpha-Chlordane [k]		0.015 J	0.093	0.0093	ug/l	SW846 8081B
Aroclor 1260 [j]		0.35 J	0.47	0.19	ug/l	SW846 8082A
2,4-D [f]		6.9	4.7	0.86	ug/l	SW846 8151A
Pentachlorophenol [f]		0.39 J	0.47	0.11	ug/l	SW846 8151A
Aluminum		7060	200		ug/l	SW846 6010C
Antimony		14.1	6.0		ug/l	SW846 6010C
Arsenic		12.5	10		ug/l	SW846 6010C
Barium		361	200		ug/l	SW846 6010C
Cadmium		30.7	5.0		ug/l	SW846 6010C
Calcium		132000	1000		ug/l	SW846 6010C
Chromium		238	10		ug/l	SW846 6010C
Cobalt		78.5	50		ug/l	SW846 6010C
Copper		208	25		ug/l	SW846 6010C
Iron		17000	300		ug/l	SW846 6010C
Lead		967	5.0		ug/l	SW846 6010C
Magnesium		22300	5000		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/31/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		511	15		ug/l	SW846 6010C
Mercury		5.8	1.0		ug/l	SW846 7470A
Nickel		44.8	40		ug/l	SW846 6010C
Potassium		16500	10000		ug/l	SW846 6010C
Sodium		150000	40000		ug/l	SW846 6010C
Strontium		592	10		ug/l	SW846 6010C
Titanium		165	10		ug/l	SW846 6010C
Zinc		9880	20		ug/l	SW846 6010C
FA12143-8	**DUP 2**					
Acetone [c]		26.8	25	11	ug/l	SW846 8260B
Benzene [c]		3.6	1.0	0.24	ug/l	SW846 8260B
Bromodichloromethane [c]		0.86 J	1.0	0.26	ug/l	SW846 8260B
Chlorobenzene [c]		0.31 J	1.0	0.24	ug/l	SW846 8260B
Chloroform [c]		0.60 J	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane [c]		0.98 J	1.0	0.36	ug/l	SW846 8260B
Ethylbenzene [c]		2.0	1.0	0.28	ug/l	SW846 8260B
Methylene chloride [c]		2.2 J	5.0	2.0	ug/l	SW846 8260B
Naphthalene [c]		4.1	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene [c]		0.41 J	1.0	0.24	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [c]		4.1	2.0	0.24	ug/l	SW846 8260B
1,3,5-Trimethylbenzene [c]		0.94 J	2.0	0.20	ug/l	SW846 8260B
Toluene [c]		10.7	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [c]		8.1	2.0	0.48	ug/l	SW846 8260B
o-Xylene [c]		4.3	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid [d]		44.4 J	190	38	ug/l	SW846 8270D
2-Methylphenol		0.92 J	4.7	0.47	ug/l	SW846 8270D
3&4-Methylphenol		2.1 J	4.7	1.1	ug/l	SW846 8270D
2-Nitrophenol		0.82 J	4.7	0.56	ug/l	SW846 8270D
Phenol		10.3	4.7	0.47	ug/l	SW846 8270D
Acenaphthylene		0.50 J	4.7	0.47	ug/l	SW846 8270D
Butyl benzyl phthalate		1.0 J	4.7	0.77	ug/l	SW846 8270D
Benzyl Alcohol		4.3 J	4.7	0.94	ug/l	SW846 8270D
Carbazole		1.2 J	4.7	0.58	ug/l	SW846 8270D
Di-n-butyl phthalate		3.1 J	4.7	0.94	ug/l	SW846 8270D
Diethyl phthalate		1.3 J	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		12.8	4.7	1.5	ug/l	SW846 8270D
1-Methylnaphthalene		1.0 J	4.7	0.47	ug/l	SW846 8270D
2-Methylnaphthalene		1.5 J	4.7	0.50	ug/l	SW846 8270D
Naphthalene		6.3	4.7	0.47	ug/l	SW846 8270D
N-Nitrosodiphenylamine		0.58 J	4.7	0.50	ug/l	SW846 8270D
Phenanthrene		1.3 J	4.7	0.56	ug/l	SW846 8270D
2,4,5-T [f]		2.3 J	4.7	1.4	ug/l	SW846 8151A
Aluminum		453	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12143
Account: ISI Environmental Services
Project: Clean Harbors; KS
Collected: 01/31/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Antimony		8.1	6.0		ug/l	SW846 6010C
Calcium		24500	1000		ug/l	SW846 6010C
Chromium		677	10		ug/l	SW846 6010C
Copper		450	25		ug/l	SW846 6010C
Iron		2530	300		ug/l	SW846 6010C
Lead		87.7	5.0		ug/l	SW846 6010C
Magnesium		11900	5000		ug/l	SW846 6010C
Manganese		146	15		ug/l	SW846 6010C
Mercury		4.8	0.50		ug/l	SW846 7470A
Sodium		158000	40000		ug/l	SW846 6010C
Strontium		240	10		ug/l	SW846 6010C
Zinc		262	20		ug/l	SW846 6010C

FA12143-9 TRIP BLANK

No hits reported in this sample.

(a) Sample was treated with an anti-foaming agent. Insufficient sample available for reanalysis.
(b) Sample was treated with an anti-foaming agent. Associated CCV outside control limits. No sample available for reanalysis.
(c) Sample was treated with an anti-foaming agent.
(d) Associated BS recovery outside control limits.
(e) All hits confirmed by dual column analysis. Dilution required due to matrix interference. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(f) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(g) Results from different vials are not consistent; higher results were reported. Sample was treated with an anti-foaming agent. No sample available for reanalysis. Associated CCV outside control limits.
(h) Results from different vials are not consistent; higher results were reported. Sample was treated with an anti-foaming agent. No sample available for reanalysis.
(i) Dilution required due to matrix interference.
(j) All hits confirmed by dual column analysis.
(k) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D NT 15A INT		
Lab Sample ID:	FA12143-1	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M71841.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	26.4	25	11	ug/l	
107-02-8	Acrolein [c]	8.7	20	6.4	ug/l	J
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	4.1	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	0.76	1.0	0.26	ug/l	J
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	0.25	1.0	0.24	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.56	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	1.0	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15A INT
Lab Sample ID: FA12143-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.3	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	4.4	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.45	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	4.8	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	12.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	9.8	2.0	0.48	ug/l	
95-47-6	o-Xylene	4.7	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15A INT		
Lab Sample ID:	FA12143-1	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was treated with an anti-foaming agent.
(b) Insufficient sample available for reanalysis.
(c) Associated CCV outside control limits. No sample available for reanalysis.

Report of Analysis

Client Sample ID: BLD D NT 15A INT
Lab Sample ID: FA12143-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
Run #2	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	56.7 [b]	190	38	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.74	4.7	0.47	ug/l	J
	3&4-Methylphenol	1.6	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	0.83	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	11.4	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	1.0	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	3.2	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	1.1	4.7	0.58	ug/l	J
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15A INT
Lab Sample ID: FA12143-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.6	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.6	4.7	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.71	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.2	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	5.5	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	1.0	4.7	0.56	ug/l	J
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15A INT		
Lab Sample ID:	FA12143-1	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	28%	14-67%
4165-62-2	Phenol-d5	30%	16%	10-50%
118-79-6	2,4,6-Tribromophenol	93%	85%	33-118%
4165-60-0	Nitrobenzene-d5	103%	71%	42-108%
321-60-8	2-Fluorobiphenyl	83%	75%	40-106%
1718-51-0	Terphenyl-d14	93%	78%	39-121%

(a) Associated BS recovery outside control limits.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15A INT
Lab Sample ID: FA12143-1
Matrix: AQ - Water
Method: SW846 8151A SW846 8151A
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043374.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D [b]	5.9	24	4.3	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	2.4	0.71	ug/l	
93-76-5	2,4,5-T	2.3	2.4	0.68	ug/l	J
1918-00-9	Dicamba	ND	2.4	0.65	ug/l	
88-85-7	Dinoseb	ND	47	12	ug/l	
75-99-0	Dalapon	ND	59	24	ug/l	
120-36-5	Dichloroprop	ND	24	5.0	ug/l	
94-82-6	2,4-DB	ND	24	7.8	ug/l	
93-65-2	MCPP	ND	2400	300	ug/l	
94-74-6	MCPA	ND	2400	490	ug/l	
87-86-5	Pentachlorophenol	ND	2.4	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15A INT		
Lab Sample ID:	FA12143-1	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61580.D	5	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.23	0.023	ug/l	
319-84-6	alpha-BHC	ND	0.23	0.023	ug/l	
319-85-7	beta-BHC	ND	0.23	0.023	ug/l	
319-86-8	delta-BHC	ND	0.23	0.023	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.23	0.023	ug/l	
5103-71-9	alpha-Chlordane	ND	0.23	0.023	ug/l	
5103-74-2	gamma-Chlordane	ND	0.23	0.023	ug/l	
60-57-1	Dieldrin	ND	0.23	0.023	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.23	0.023	ug/l	
33213-65-9	Endosulfan-II	ND	0.23	0.023	ug/l	
76-44-8	Heptachlor	ND	0.23	0.023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.23	0.023	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		42-127%
2051-24-3	Decachlorobiphenyl	8% [b]		27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by multiple analyses.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15A INT		
Lab Sample ID:	FA12143-1	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124062.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2 [a]	ST124084.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2	1050 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%	61%	38-127%
2051-24-3	Decachlorobiphenyl	8% [b]	10%	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15A INT
Lab Sample ID: FA12143-1
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	287	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	24400	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	577	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	387	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	1980	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	62.5	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	12200	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	125	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	1.2	0.50	ug/l	1	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	157000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	238	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	212	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11373
(2) Instrument QC Batch: MA11378
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26765
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID: BLD D NT 15C INT
Lab Sample ID: FA12143-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M71842.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	30.0	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	4.6	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	0.58	1.0	0.24	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	0.44	1.0	0.36	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15C INT
Lab Sample ID: FA12143-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.5	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	5.7	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	5.8	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.54	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	5.3	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.3	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	12.8	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	10.3	2.0	0.48	ug/l	
95-47-6	o-Xylene	5.2	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15C INT		
Lab Sample ID:	FA12143-2	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15C INT		
Lab Sample ID:	FA12143-2	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033152.D	1	02/10/14	FS	02/05/14	OP50364	SX1563
Run #2	X033151.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	165 [b]	190	38	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	6.9	24	5.1	ug/l	J
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	3.6	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	3.7	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	3.8	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	2.6	4.7	0.58	ug/l	J
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15C INT
Lab Sample ID: FA12143-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.8	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	1.1	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	5.5	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	2.8	4.7	0.56	ug/l	J
129-00-0	Pyrene	0.84	4.7	0.77	ug/l	J
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15C INT		
Lab Sample ID:	FA12143-2	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	16%	20%	14-67%
4165-62-2	Phenol-d5	10%	10%	10-50%
118-79-6	2,4,6-Tribromophenol	92%	91%	33-118%
4165-60-0	Nitrobenzene-d5	78%	84%	42-108%
321-60-8	2-Fluorobiphenyl	91%	98%	40-106%
1718-51-0	Terphenyl-d14	72%	81%	39-121%

(a) Associated BS recovery outside control limits.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15C INT
Lab Sample ID: FA12143-2
Matrix: AQ - Water
Method: SW846 8151A SW846 8151A
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043377.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	13.1	24	4.3	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	2.4	0.71	ug/l	
93-76-5	2,4,5-T	7.9	2.4	0.68	ug/l	
1918-00-9	Dicamba	ND	2.4	0.65	ug/l	
88-85-7	Dinoseb	ND	47	12	ug/l	
75-99-0	Dalapon	ND	59	24	ug/l	
120-36-5	Dichloroprop	ND	24	5.0	ug/l	
94-82-6	2,4-DB	ND	24	7.8	ug/l	
93-65-2	MCPP [b]	ND	4800	4800	ug/l	
94-74-6	MCPA	ND	2400	490	ug/l	
87-86-5	Pentachlorophenol	ND	2.4	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [c]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Elevated reporting limit due to matrix interference.
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15C INT		
Lab Sample ID:	FA12143-2	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61581.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	ND	0.47	0.047	ug/l	
319-86-8	delta-BHC	ND	0.47	0.047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.93	0.093	ug/l	
72-55-9	4,4'-DDE	ND	0.93	0.093	ug/l	
50-29-3	4,4'-DDT	ND	0.93	0.093	ug/l	
72-20-8	Endrin	ND	0.93	0.093	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.93	0.093	ug/l	
7421-93-4	Endrin aldehyde	ND	0.93	0.093	ug/l	
53494-70-5	Endrin ketone	ND	0.93	0.093	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	ND	0.47	0.047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.93	0.093	ug/l	
8001-35-2	Toxaphene	ND	23	9.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		42-127%
2051-24-3	Decachlorobiphenyl	5% [b]		27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15C INT		
Lab Sample ID:	FA12143-2	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124063.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2 [a]	ST124085.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2	1050 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%	42%	38-127%
2051-24-3	Decachlorobiphenyl	7% [b]	6%	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15C INT
Lab Sample ID: FA12143-2
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1610	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	17.7	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	21900	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	1280	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	688	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	7490	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	217	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	8870	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	157	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	3.1	0.50	ug/l	1	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	43.9	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	272000	50000	ug/l	5	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	240	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	18.3	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	424	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71835.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	16.3	25	11	ug/l	J
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	4.5	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15D INT
Lab Sample ID: FA12143-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	3.0	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	6.6	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	3.2	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.62	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	6.1	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.5	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	14.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	11.5	2.0	0.48	ug/l	
95-47-6	o-Xylene	6.0	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011500.D	1	02/07/14	FS	02/05/14	OP50364	ST547
Run #2	X033153.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	38.5 [b]	190	38	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.95	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.0	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	7.5	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	5.5	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	1.2	4.7	0.58	ug/l	J
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15D INT
Lab Sample ID: FA12143-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.9	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	1.4	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.97	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.6	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	4.4	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	0.92	4.7	0.56	ug/l	J
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%	24%	14-67%
4165-62-2	Phenol-d5	27%	13%	10-50%
118-79-6	2,4,6-Tribromophenol	84%	81%	33-118%
4165-60-0	Nitrobenzene-d5	105%	70%	42-108%
321-60-8	2-Fluorobiphenyl	82%	80%	40-106%
1718-51-0	Terphenyl-d14	103%	94%	39-121%

(a) Associated BS recovery outside control limits.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043378.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	9.5	24	4.3	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	2.4	0.71	ug/l	
93-76-5	2,4,5-T	12.6	2.4	0.68	ug/l	
1918-00-9	Dicamba	ND	2.4	0.65	ug/l	
88-85-7	Dinoseb	ND	47	12	ug/l	
75-99-0	Dalapon	ND	59	24	ug/l	
120-36-5	Dichloroprop	ND	24	5.0	ug/l	
94-82-6	2,4-DB	ND	24	7.8	ug/l	
93-65-2	MCPP	ND	2400	300	ug/l	
94-74-6	MCPA	ND	2400	490	ug/l	
87-86-5	Pentachlorophenol	ND	2.4	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61585.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	ND	0.47	0.047	ug/l	
319-86-8	delta-BHC	ND	0.47	0.047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.94	0.094	ug/l	
72-55-9	4,4'-DDE	ND	0.94	0.094	ug/l	
50-29-3	4,4'-DDT	ND	0.94	0.094	ug/l	
72-20-8	Endrin	ND	0.94	0.094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.94	0.094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.94	0.094	ug/l	
53494-70-5	Endrin ketone	ND	0.94	0.094	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	ND	0.47	0.047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.94	0.094	ug/l	
8001-35-2	Toxaphene	ND	24	9.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		42-127%
2051-24-3	Decachlorobiphenyl	20% [b]		27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by multiple analyses.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15D INT		
Lab Sample ID:	FA12143-3	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124064.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2 [a]	ST124086.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2	1050 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%	56%	38-127%
2051-24-3	Decachlorobiphenyl	18% [b]	16%	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15D INT
Lab Sample ID: FA12143-3
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	923	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	10.7	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	30800	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	836	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	748	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	8720	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	82.1	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	12500	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	180	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	5.1	0.50	ug/l	1	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	52.3	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	11000	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	160000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	253	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	308	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0074220.D	1	02/07/14	RB	n/a	n/a	VN3232
Run #2 [a]	M71836.D	1	02/05/14	RB	n/a	n/a	VM3032

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	61.8	25	11	ug/l	J
107-02-8	Acrolein [b]	52.0 [c]	20	6.4	ug/l	J
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.29	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	2.9	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	1.0	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [c]	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND [c]	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND [c]	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND [c]	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	7.8	10	2.0	ug/l	J
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.98	1.0	0.24	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	2.0 [c]	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	7.4	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	89.8 [c]	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.37	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND [c]	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	8.9	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.3	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.58	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND [c]	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND [c]	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND [c]	10	2.0	ug/l	
	m,p-Xylene	0.48	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.35	1.0	0.20	ug/l	J

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	111%	83-118%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	79-125%
2037-26-5	Toluene-D8	95%	96%	85-112%
460-00-4	4-Bromofluorobenzene	96%	99%	83-118%

(a) Results from different vials are not consistent; higher results were reported. Sample was treated with an anti-foaming agent. No sample available for reanalysis.
(b) Associated CCV outside control limits.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	X033154.D	10	02/10/14	FS	02/05/14	OP50364	SX1563
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [b]	ND	470	94	ug/l	
95-57-8	2-Chlorophenol	ND	47	4.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	47	4.7	ug/l	
120-83-2	2,4-Dichlorophenol	ND	47	5.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	47	4.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	240	51	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	94	19	ug/l	
95-48-7	2-Methylphenol	ND	47	4.7	ug/l	
	3&4-Methylphenol	ND	47	11	ug/l	
88-75-5	2-Nitrophenol	ND	47	5.6	ug/l	
100-02-7	4-Nitrophenol	ND	240	47	ug/l	
87-86-5	Pentachlorophenol	ND	240	47	ug/l	
108-95-2	Phenol	ND	47	4.7	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	47	9.2	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	47	5.2	ug/l	
83-32-9	Acenaphthene	ND	47	4.7	ug/l	
208-96-8	Acenaphthylene	ND	47	4.7	ug/l	
62-53-3	Aniline	ND	47	9.4	ug/l	
120-12-7	Anthracene	ND	47	5.8	ug/l	
92-87-5	Benzidine	ND	240	47	ug/l	
56-55-3	Benzo(a)anthracene	ND	47	6.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	47	6.2	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	47	6.7	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	47	7.6	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	47	4.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether [b]	ND	47	6.3	ug/l	
85-68-7	Butyl benzyl phthalate	ND	47	7.7	ug/l	
100-51-6	Benzyl Alcohol	ND	47	9.4	ug/l	
91-58-7	2-Chloronaphthalene	ND	47	5.2	ug/l	
106-47-8	4-Chloroaniline	ND	47	4.7	ug/l	
86-74-8	Carbazole	6.3	47	5.8	ug/l	J
218-01-9	Chrysene	ND	47	6.8	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 14 INT
Lab Sample ID: FA12143-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	47	5.2	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	47	6.5	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	47	5.5	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	47	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	47	4.7	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	47	6.4	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	47	4.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	47	4.7	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	47	5.4	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	47	5.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	47	8.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	47	7.7	ug/l	
132-64-9	Dibenzofuran	7.7	47	5.0	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	47	9.4	ug/l	
117-84-0	Di-n-octyl phthalate	ND	47	9.4	ug/l	
84-66-2	Diethyl phthalate	ND	47	9.4	ug/l	
131-11-3	Dimethyl phthalate	ND	47	5.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	47	15	ug/l	
206-44-0	Fluoranthene	ND	47	6.6	ug/l	
86-73-7	Fluorene	5.0	47	4.7	ug/l	J
118-74-1	Hexachlorobenzene	ND	47	6.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	47	4.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	47	9.4	ug/l	
67-72-1	Hexachloroethane	ND	47	4.7	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	47	5.9	ug/l	
78-59-1	Isophorone	ND	47	4.7	ug/l	
90-12-0	1-Methylnaphthalene	61.8	47	4.7	ug/l	
91-57-6	2-Methylnaphthalene	84.2	47	5.0	ug/l	
88-74-4	2-Nitroaniline	ND	47	11	ug/l	
99-09-2	3-Nitroaniline	ND	47	5.7	ug/l	
100-01-6	4-Nitroaniline	ND	47	7.2	ug/l	
91-20-3	Naphthalene	47.7	47	4.7	ug/l	
98-95-3	Nitrobenzene	ND	47	4.7	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	47	9.4	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	47	4.7	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	47	5.0	ug/l	
85-01-8	Phenanthrene	15.6	47	5.6	ug/l	J
129-00-0	Pyrene	ND	47	7.7	ug/l	
110-86-1	Pyridine	ND	94	19	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	47	4.7	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	0% c		14-67%
4165-62-2	Phenol-d5	0% c		10-50%
118-79-6	2,4,6-Tribromophenol	0% c		33-118%
4165-60-0	Nitrobenzene-d5	0% c		42-108%
321-60-8	2-Fluorobiphenyl	0% c		40-106%
1718-51-0	Terphenyl-d14	0% c		39-121%

(a) Dilution required due to matrix interference.
(b) Associated BS recovery outside control limits.
(c) Outside control limits due to dilution.

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043379.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	16.2	24	4.3	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	2.4	0.71	ug/l	
93-76-5	2,4,5-T	ND	2.4	0.68	ug/l	
1918-00-9	Dicamba	3.7	2.4	0.65	ug/l	
88-85-7	Dinoseb	ND	47	12	ug/l	
75-99-0	Dalapon	ND	59	24	ug/l	
120-36-5	Dichloroprop	ND	24	5.0	ug/l	
94-82-6	2,4-DB	ND	24	7.8	ug/l	
93-65-2	MCPP	ND	2400	300	ug/l	
94-74-6	MCPA	ND	2400	490	ug/l	
87-86-5	Pentachlorophenol	1.4	2.4	0.54	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61586.D	5	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.23	0.023	ug/l	
319-84-6	alpha-BHC	ND	0.23	0.023	ug/l	
319-85-7	beta-BHC	ND	0.23	0.023	ug/l	
319-86-8	delta-BHC	ND	0.23	0.023	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.23	0.023	ug/l	
5103-71-9	alpha-Chlordane	ND	0.23	0.023	ug/l	
5103-74-2	gamma-Chlordane	ND	0.23	0.023	ug/l	
60-57-1	Dieldrin	ND	0.23	0.023	ug/l	
72-54-8	4,4'-DDD	ND	0.47	0.047	ug/l	
72-55-9	4,4'-DDE	ND	0.47	0.047	ug/l	
50-29-3	4,4'-DDT	ND	0.47	0.047	ug/l	
72-20-8	Endrin	ND	0.47	0.047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.47	0.047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.47	0.047	ug/l	
53494-70-5	Endrin ketone	ND	0.47	0.047	ug/l	
959-98-8	Endosulfan-I	ND	0.23	0.023	ug/l	
33213-65-9	Endosulfan-II	ND	0.23	0.023	ug/l	
76-44-8	Heptachlor	ND	0.23	0.023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.23	0.023	ug/l	
72-43-5	Methoxychlor	ND	0.47	0.047	ug/l	
8001-35-2	Toxaphene	ND	12	4.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	34% [b]		42-127%
2051-24-3	Decachlorobiphenyl	4% [b]		27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by multiple analyses.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124065.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2 [a]	ST124087.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2	1050 ml	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	4% [b]	6%	38-127%
2051-24-3	Decachlorobiphenyl	5% [b]	6%	25-137%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 14 INT
Lab Sample ID: FA12143-4
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2380	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Arsenic	39.7	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Cadmium	159	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Calcium	119000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Chromium	498	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Cobalt	3510	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Copper	1240	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Iron	96400	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Lead	1420	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Magnesium	37700	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Manganese	16100	150	ug/l	10	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	4950	500	ug/l	1000	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [6]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Nickel	340	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Potassium	23000	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Sodium	462000	100000	ug/l	10	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [5]
Strontium	1220	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Thallium	22.3	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Titanium	48.2	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [5]
Zinc	146000	500	ug/l	25	02/03/14	02/11/14	LM	SW846 6010C [4]	SW846 3010A [5]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11386
(4) Instrument QC Batch: MA11390
(5) Prep QC Batch: MP26766
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M71843.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	21.1	25	11	ug/l	J
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.9	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 16 INT
Lab Sample ID: FA12143-5
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.67	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.2	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.70	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	3.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.8	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.0	1.0	0.20	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011502.D	1	02/07/14	FS	02/05/14	OP50364	ST547
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	15.9	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	0.76	4.7	0.47	ug/l	J
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.50	4.7	0.47	ug/l	J
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	ND	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	2.1	4.7	0.61	ug/l	J
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	1.9	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	0.73	4.7	0.58	ug/l	J
218-01-9	Chrysene	11.9	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 16 INT
Lab Sample ID: FA12143-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	9.8	4.7	1.5	ug/l	
206-44-0	Fluoranthene	1.4	4.7	0.66	ug/l	J
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.2	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	0.65	4.7	0.56	ug/l	J
129-00-0	Pyrene	5.0	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	81%		33-118%
4165-60-0	Nitrobenzene-d5	88%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	94%		39-121%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043380.D	10	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	9.4	1.7	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.94	0.28	ug/l	
93-76-5	2,4,5-T	ND	0.94	0.27	ug/l	
1918-00-9	Dicamba	0.87	0.94	0.26	ug/l	J
88-85-7	Dinoseb	ND	19	4.7	ug/l	
75-99-0	Dalapon	ND	24	9.4	ug/l	
120-36-5	Dichloroprop	ND	9.4	2.0	ug/l	
94-82-6	2,4-DB	ND	9.4	3.1	ug/l	
93-65-2	MCPP	ND	940	120	ug/l	
94-74-6	MCPA	ND	940	200	ug/l	
87-86-5	Pentachlorophenol	ND	0.94	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364277.D	2	02/10/14	EM	02/04/14	OP50346	GTT1420
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.093	0.0093	ug/l	
319-84-6	alpha-BHC	ND	0.093	0.0093	ug/l	
319-85-7	beta-BHC	ND	0.093	0.0093	ug/l	
319-86-8	delta-BHC	ND	0.093	0.0093	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.093	0.0093	ug/l	
5103-71-9	alpha-Chlordane	ND	0.093	0.0093	ug/l	
5103-74-2	gamma-Chlordane	ND	0.093	0.0093	ug/l	
60-57-1	Dieldrin	ND	0.093	0.0093	ug/l	
72-54-8	4,4'-DDD	ND	0.19	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.19	0.019	ug/l	
50-29-3	4,4'-DDT	ND	0.19	0.019	ug/l	
72-20-8	Endrin	ND	0.19	0.019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.19	0.019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.19	0.019	ug/l	
53494-70-5	Endrin ketone	ND	0.19	0.019	ug/l	
959-98-8	Endosulfan-I	ND	0.093	0.0093	ug/l	
33213-65-9	Endosulfan-II	ND	0.093	0.0093	ug/l	
76-44-8	Heptachlor	ND	0.093	0.0093	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.093	0.0093	ug/l	
72-43-5	Methoxychlor	ND	0.19	0.019	ug/l	
8001-35-2	Toxaphene	ND	4.7	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	39% [b]		42-127%
2051-24-3	Decachlorobiphenyl	30%		27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by multiple analyses.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 16 INT		
Lab Sample ID:	FA12143-5	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124088.D	1	02/06/14	MV	02/05/14	OP50366	GST2948
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.48	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.48	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.48	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.48	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.48	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.48	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.48	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		38-127%
2051-24-3	Decachlorobiphenyl	35%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 16 INT
Lab Sample ID: FA12143-5
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	582	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	118	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	34800	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	95.7	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	190	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	39900	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	344	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	13600	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	692	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 500	500	ug/l	1000	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	595	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	88000	20000	ug/l	2	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	239	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	14.3	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	660	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M71837.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2 [a]	N0074221.D	1	02/07/14	RB	n/a	n/a	VN3232

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	27.5	25	11	ug/l	
107-02-8	Acrolein	10.1 [b]	20	6.4	ug/l	J
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	2.5	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6A
Lab Sample ID: FA12143-6
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.2	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	5.7	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.6	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.67	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	6.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	5.0	2.0	0.48	ug/l	
95-47-6	o-Xylene	2.5	1.0	0.20	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	104%	79-125%
2037-26-5	Toluene-D8	98%	95%	85-112%
460-00-4	4-Bromofluorobenzene	104%	98%	83-118%

(a) Sample was treated with an anti-foaming agent.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011503.D	1	02/07/14	FS	02/05/14	OP50364	ST547
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	ND	47	9.3	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.48	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	4.0	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	23	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.3	1.9	ug/l	
95-48-7	2-Methylphenol	2.1	4.7	0.47	ug/l	J
	3&4-Methylphenol	1.5	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	23	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	23	4.7	ug/l	
108-95-2	Phenol	47.7	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.91	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.94	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.93	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	23	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.60	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.61	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.75	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	5.4	4.7	0.76	ug/l	
100-51-6	Benzyl Alcohol	32.1	4.7	0.93	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.67	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6A
Lab Sample ID: FA12143-6
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.51	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.64	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.54	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.63	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.84	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.76	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	1.9	4.7	0.93	ug/l	J
117-84-0	Di-n-octyl phthalate	1.2	4.7	0.93	ug/l	J
84-66-2	Diethyl phthalate	2.2	4.7	0.93	ug/l	J
131-11-3	Dimethyl phthalate	8.0	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	37.4	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.65	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.93	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	1.0	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.5	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.71	ug/l	
91-20-3	Naphthalene	2.8	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.93	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	0.88	4.7	0.56	ug/l	J
129-00-0	Pyrene	ND	4.7	0.76	ug/l	
110-86-1	Pyridine	ND	9.3	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		14-67%
4165-62-2	Phenol-d5	14%		10-50%
118-79-6	2,4,6-Tribromophenol	80%		33-118%
4165-60-0	Nitrobenzene-d5	91%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043383.D	5	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	2.6	4.7	0.86	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.47	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.47	0.14	ug/l	
1918-00-9	Dicamba	ND	0.47	0.13	ug/l	
88-85-7	Dinoseb	ND	9.4	2.4	ug/l	
75-99-0	Dalapon	ND	12	4.7	ug/l	
120-36-5	Dichloroprop	ND	4.7	0.99	ug/l	
94-82-6	2,4-DB	ND	4.7	1.6	ug/l	
93-65-2	MCPP	ND	470	61	ug/l	
94-74-6	MCPA	ND	470	99	ug/l	
87-86-5	Pentachlorophenol	0.34	0.47	0.11	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	126%		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61588.D	2	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.093	0.0093	ug/l	
319-84-6	alpha-BHC	ND	0.093	0.0093	ug/l	
319-85-7	beta-BHC	ND	0.093	0.0093	ug/l	
319-86-8	delta-BHC	ND	0.093	0.0093	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.093	0.0093	ug/l	
5103-71-9	alpha-Chlordane	ND	0.093	0.0093	ug/l	
5103-74-2	gamma-Chlordane	ND	0.093	0.0093	ug/l	
60-57-1	Dieldrin	ND	0.093	0.0093	ug/l	
72-54-8	4,4'-DDD	ND	0.19	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.19	0.019	ug/l	
50-29-3	4,4'-DDT	ND	0.19	0.019	ug/l	
72-20-8	Endrin	ND	0.19	0.019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.19	0.019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.19	0.019	ug/l	
53494-70-5	Endrin ketone	ND	0.19	0.019	ug/l	
959-98-8	Endosulfan-I	ND	0.093	0.0093	ug/l	
33213-65-9	Endosulfan-II	ND	0.093	0.0093	ug/l	
76-44-8	Heptachlor	ND	0.093	0.0093	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.093	0.0093	ug/l	
72-43-5	Methoxychlor	ND	0.19	0.019	ug/l	
8001-35-2	Toxaphene	ND	4.7	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		42-127%
2051-24-3	Decachlorobiphenyl	41%		27-127%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6A		
Lab Sample ID:	FA12143-6	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124067.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.50	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		38-127%
2051-24-3	Decachlorobiphenyl	47%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6A
Lab Sample ID: FA12143-6
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1780	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	30.1	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	84900	1000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	70.3	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	122	25	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	2800	300	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	423	5.0	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	19100	5000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	223	15	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	4.7	1.0	ug/l	2	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	41.3	40	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	15700	10000	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	134000	40000	ug/l	4	02/03/14	02/04/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	485	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	217	10	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	3900	20	ug/l	1	02/03/14	02/03/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11373
(2) Instrument QC Batch: MA11378
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26765
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M71838.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.9	25	11	ug/l	J
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.92	1.0	0.24	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.0	3.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.69	2.0	0.24	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	1.4	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.0	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.56	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011504.D	1	02/07/14	FS	02/05/14	OP50364	ST547
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	94.0	47	9.4	ug/l	
95-57-8	2-Chlorophenol	0.62	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	0.58	4.7	0.47	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	7.3	4.7	0.47	ug/l	
	3&4-Methylphenol	15.1	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	0.62	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	25.6	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.90	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	5.7	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	28.2	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6B
Lab Sample ID: FA12143-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	2.2	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	2.0	4.7	0.94	ug/l	J
84-66-2	Diethyl phthalate	1.8	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	5.9	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	40.9	4.7	1.5	ug/l	
206-44-0	Fluoranthene	0.75	4.7	0.66	ug/l	J
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	0.81	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.3	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	1.9	4.7	0.47	ug/l	J
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	0.99	4.7	0.56	ug/l	J
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%		14-67%
4165-62-2	Phenol-d5	19%		10-50%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	90%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	69%		39-121%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043384.D	5	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	6.9	4.7	0.86	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.47	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.47	0.14	ug/l	
1918-00-9	Dicamba	ND	0.47	0.13	ug/l	
88-85-7	Dinoseb	ND	9.4	2.4	ug/l	
75-99-0	Dalapon	ND	12	4.7	ug/l	
120-36-5	Dichloroprop	ND	4.7	0.99	ug/l	
94-82-6	2,4-DB	ND	4.7	1.6	ug/l	
93-65-2	MCPP	ND	470	61	ug/l	
94-74-6	MCPA	ND	470	99	ug/l	
87-86-5	Pentachlorophenol	0.39	0.47	0.11	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	111%		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61618.D	2	02/07/14	EM	02/04/14	OP50346	GKK2062
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.093	0.0093	ug/l	
319-84-6	alpha-BHC	ND	0.093	0.0093	ug/l	
319-85-7	beta-BHC	ND	0.093	0.0093	ug/l	
319-86-8	delta-BHC	ND	0.093	0.0093	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.093	0.0093	ug/l	
5103-71-9	alpha-Chlordane [a]	0.015	0.093	0.0093	ug/l	J
5103-74-2	gamma-Chlordane	ND	0.093	0.0093	ug/l	
60-57-1	Dieldrin	ND	0.093	0.0093	ug/l	
72-54-8	4,4'-DDD	ND	0.19	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.19	0.019	ug/l	
50-29-3	4,4'-DDT	ND	0.19	0.019	ug/l	
72-20-8	Endrin	ND	0.19	0.019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.19	0.019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.19	0.019	ug/l	
53494-70-5	Endrin ketone	ND	0.19	0.019	ug/l	
959-98-8	Endosulfan-I	ND	0.093	0.0093	ug/l	
33213-65-9	Endosulfan-II	ND	0.093	0.0093	ug/l	
76-44-8	Heptachlor	ND	0.093	0.0093	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.093	0.0093	ug/l	
72-43-5	Methoxychlor	ND	0.19	0.019	ug/l	
8001-35-2	Toxaphene	ND	4.7	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		42-127%
2051-24-3	Decachlorobiphenyl	32%		27-127%

(a) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D RM 6B		
Lab Sample ID:	FA12143-7	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124068.D	1	02/04/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	0.35	0.47	0.19	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		38-127%
2051-24-3	Decachlorobiphenyl	41%		25-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D RM 6B
Lab Sample ID: FA12143-7
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7060	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	14.1	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	12.5	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	361	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	30.7	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	132000	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	238	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	78.5	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	208	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	17000	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	967	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	22300	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	511	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	5.8	1.0	ug/l	2	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	44.8	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	16500	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	150000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	592	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	165	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	9880	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M71839.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2 [a]	N0074222.D	1	02/07/14	RB	n/a	n/a	VN3232

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	26.8	25	11	ug/l	
107-02-8	Acrolein	ND [b]	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	3.6	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	0.86	1.0	0.26	ug/l	J
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	0.31	1.0	0.24	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.60	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	0.98	1.0	0.36	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.0	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	2.2	5.0	2.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	4.1	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.41	1.0	0.24	ug/l	J
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	4.1	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.94	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	10.7	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	8.1	2.0	0.48	ug/l	
95-47-6	o-Xylene	4.3	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	97%	83-118%

(a) Sample was treated with an anti-foaming agent.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 2
Lab Sample ID: FA12143-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011505.D	1	02/07/14	FS	02/05/14	OP50364	ST547
Run #2	X033155.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid [a]	44.4 [b]	190	38	ug/l	J
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	0.92	4.7	0.47	ug/l	J
	3&4-Methylphenol	2.1	4.7	1.1	ug/l	J
88-75-5	2-Nitrophenol	0.82	4.7	0.56	ug/l	J
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	10.3	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	0.50	4.7	0.47	ug/l	J
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether [a]	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	1.0	4.7	0.77	ug/l	J
100-51-6	Benzyl Alcohol	4.3	4.7	0.94	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	1.2	4.7	0.58	ug/l	J
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 2
Lab Sample ID: FA12143-8
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	3.1	4.7	0.94	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	1.3	4.7	0.94	ug/l	J
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	12.8	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	1.0	4.7	0.47	ug/l	J
91-57-6	2-Methylnaphthalene	1.5	4.7	0.50	ug/l	J
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	6.3	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	0.58	4.7	0.50	ug/l	J
85-01-8	Phenanthrene	1.3	4.7	0.56	ug/l	J
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	27%	14-67%
4165-62-2	Phenol-d5	30%	14%	10-50%
118-79-6	2,4,6-Tribromophenol	92%	86%	33-118%
4165-60-0	Nitrobenzene-d5	113% [c]	75%	42-108%
321-60-8	2-Fluorobiphenyl	86%	83%	40-106%
1718-51-0	Terphenyl-d14	90%	77%	39-121%

(a) Associated BS recovery outside control limits.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference.

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043385.D	50	02/10/14	NJ	02/06/14	OP50379	GCC637
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	47	8.6	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	4.7	1.4	ug/l	
93-76-5	2,4,5-T	2.3	4.7	1.4	ug/l	J
1918-00-9	Dicamba	ND	4.7	1.3	ug/l	
88-85-7	Dinoseb	ND	94	24	ug/l	
75-99-0	Dalapon	ND	120	47	ug/l	
120-36-5	Dichloroprop	ND	47	9.9	ug/l	
94-82-6	2,4-DB	ND	47	16	ug/l	
93-65-2	MCPP	ND	4700	610	ug/l	
94-74-6	MCPA	ND	4700	990	ug/l	
87-86-5	Pentachlorophenol	ND	4.7	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	0% [b]		33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61590.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.047	ug/l	
319-84-6	alpha-BHC	ND	0.47	0.047	ug/l	
319-85-7	beta-BHC	ND	0.47	0.047	ug/l	
319-86-8	delta-BHC	ND	0.47	0.047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.47	0.047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.47	0.047	ug/l	
60-57-1	Dieldrin	ND	0.47	0.047	ug/l	
72-54-8	4,4'-DDD	ND	0.93	0.093	ug/l	
72-55-9	4,4'-DDE	ND	0.93	0.093	ug/l	
50-29-3	4,4'-DDT	ND	0.93	0.093	ug/l	
72-20-8	Endrin	ND	0.93	0.093	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.93	0.093	ug/l	
7421-93-4	Endrin aldehyde	ND	0.93	0.093	ug/l	
53494-70-5	Endrin ketone	ND	0.93	0.093	ug/l	
959-98-8	Endosulfan-I	ND	0.47	0.047	ug/l	
33213-65-9	Endosulfan-II	ND	0.47	0.047	ug/l	
76-44-8	Heptachlor	ND	0.47	0.047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.47	0.047	ug/l	
72-43-5	Methoxychlor	ND	0.93	0.093	ug/l	
8001-35-2	Toxaphene	ND	23	9.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		42-127%
2051-24-3	Decachlorobiphenyl	11% [b]		27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by multiple analyses.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 2		
Lab Sample ID:	FA12143-8	**Date Sampled:**	01/31/14
Matrix:	AQ - Water	**Date Received:**	02/01/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST124069.D	1	02/05/14	MV	02/04/14	OP50347	GST2947
Run #2							

	Initial Volume	Final Volume
Run #1	1070 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.23	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.23	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		38-127%
2051-24-3	Decachlorobiphenyl	8% [b]		25-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 2
Lab Sample ID: FA12143-8
Matrix: AQ - Water
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	453	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	8.1	6.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	24500	1000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	677	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	450	25	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	2530	300	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	87.7	5.0	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	11900	5000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	146	15	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	4.8	0.50	ug/l	1	02/10/14	02/10/14	JL	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	158000	40000	ug/l	4	02/03/14	02/05/14	LM	SW846 6010C [2]	SW846 3010A [4]
Strontium	240	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	262	20	ug/l	1	02/03/14	02/04/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11377
(2) Instrument QC Batch: MA11383
(3) Instrument QC Batch: MA11386
(4) Prep QC Batch: MP26766
(5) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: FA12143-9
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71832.D	1	02/05/14	RB	n/a	n/a	VM3032
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: FA12143-9
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Clean Harbors; KS

Date Sampled: 01/31/14
Date Received: 02/01/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12143-9	**Date Sampled:**	01/31/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/01/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12143 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: LSI Environmental
Address: 214 S. Lewis
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@lsienvironmental.com
Phone#: 316 264 7050
Sampler(s) Name(s) (Printed): Brady Gerber / Shaft Hinds

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO_3	H_2SO_4	$NaOH+ZnAc$	DI Water	MeOH	VOC's	SVOC's	Metals	Pesticides	Herbicides
1	Bld D NT 15A Int	01/31/14	1130	BG	WW	10		X	X		X					X	X	X	X	X
2	Bld D NT 15C Int	01/31/14	1150	BG	WW	10		X	X		X					X	X	X	X	X
3	Bld D NT 15D Int	01/31/14	1215	BG	WW	10		X	X		X					X	X	X	X	X
4	Bld D NT 14 Int	01/31/14	1240	BG	WW	10		X	X		X					X	X	X	X	X
5	Bld D NT 16 Int	01/31/14	1310	BG	WW	10		X	X		X					X	X	X	X	X
6	Bld D Rm 6A	01/31/14	1325	BG	WW	10		X	X		X					X	X	X	X	X
7	Bld D Rm 6B	01/31/14	1340	BG	WW	10		X	X		X					X	X	X	X	X
8	Dup 2	01/31/14		BG	WW	10		X	X		X					X	X	X	X	X
9	Trip Blank	01/31/14				3			X							X				

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber / LSI	01/31/14/1600	2 FX	3 FX	2-1-14	4 Conair (AASE) 09:45
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 9 Cooler Temperature (s) Celsius: 2.8 2.6 3.0 2.8 2.6 2.6 9.8 3.2 3.0 2.8

4.1 4

FA12143: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 12143 CLIENT: 151 ENV PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 2-1-14 0945 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 9

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8009 0573 4896

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.2 3.0 3.1 3.2 3.0 3.0 3.2 3.6 3.4
- [ ] CORRECTED TEMPS: 2.8 2.6 3.0 2.8 2.6 2.6 2.8 3.2 3.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

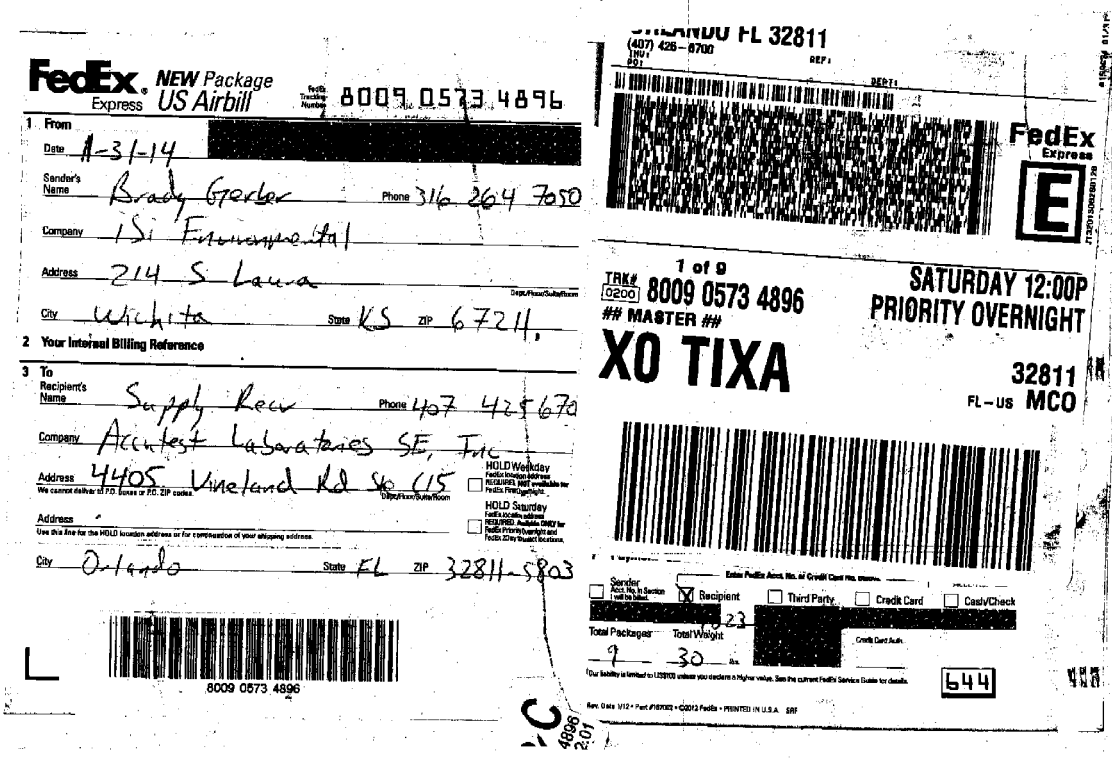
SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 2-1-14 REVIEWER SIGNATURE/DATE: 02/1/14

NF 12/10 receipt confirmation 122910.xls

FA12143: Chain of Custody

Page 2 of 3



FedEx Express NEW Package US Airbill

FedEx Tracking Number 8009 0573 4896

1 From

Date 1-31-14 [redacted]

Sender's Name Brady Gerber Phone 316 264 7050

Company ISI Environmental

Address 214 S Laura

City Wichita State KS ZIP 67211

2 Your Internal Billing Reference

3 To

Recipient's Name Supply Recv Phone 407 425 670

Company Accutest Laboratories SE, Inc

Address 4405 Vineland Rd Ste C15

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Orlando State FL ZIP 32811-5803

HOLD Weekday

HOLD Saturday

8009 0573 4896

ORLANDO FL 32811

(407) 426-6700

FedEx Express

E

1 of 9

TRK# 0200 8009 0573 4896

MASTER

XO TIXA

SATURDAY 12:00P

PRIORITY OVERNIGHT

32811

FL-US MCO

Sender

Recipient

Third Party

Credit Card

Cash/Check

[redacted] 23 [redacted]

Total Packages 9

Total Weight 30 lbs.

644

Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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FA12143: Chain of Custody

Page 3 of 3

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3032-MB	M71824.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3032-MB	M71824.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3032-MB	M71824.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.19	11000	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3232-MB	N0074205.D	1	02/06/14	RB	n/a	n/a	VN3232

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-4, FA12143-6, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3232-MB	N0074205.D	1	02/06/14	RB	n/a	n/a	VN3232

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-4, FA12143-6, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3032-BS	M71822.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	143	114	50-147
107-02-8	Acrolein	125	108	86	31-154
107-13-1	Acrylonitrile	125	121	97	58-126
71-43-2	Benzene	25	24.5	98	81-122
108-86-1	Bromobenzene	25	23.5	94	80-121
74-97-5	Bromochloromethane	25	24.4	98	76-123
75-27-4	Bromodichloromethane	25	26.5	106	79-123
75-25-2	Bromoform	25	24.9	100	66-123
104-51-8	n-Butylbenzene	25	24.1	96	79-126
135-98-8	sec-Butylbenzene	25	26.1	104	83-133
98-06-6	tert-Butylbenzene	25	25.2	101	80-133
108-90-7	Chlorobenzene	25	25.8	103	82-124
75-00-3	Chloroethane	25	29.6	118	62-144
67-66-3	Chloroform	25	25.1	100	80-124
95-49-8	o-Chlorotoluene	25	24.6	98	81-127
106-43-4	p-Chlorotoluene	25	25.1	100	83-130
110-75-8	2-Chloroethyl vinyl ether	125	145	116	56-122
75-15-0	Carbon disulfide	25	22.9	92	66-148
56-23-5	Carbon tetrachloride	25	29.2	117	76-136
75-34-3	1,1-Dichloroethane	25	24.5	98	81-122
75-35-4	1,1-Dichloroethylene	25	24.8	99	78-137
563-58-6	1,1-Dichloropropene	25	27.9	112	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.8	95	64-123
106-93-4	1,2-Dibromoethane	25	24.5	98	75-120
107-06-2	1,2-Dichloroethane	25	26.5	106	75-125
78-87-5	1,2-Dichloropropane	25	24.9	100	76-124
142-28-9	1,3-Dichloropropane	25	23.2	93	80-118
594-20-7	2,2-Dichloropropane	25	26.9	108	74-139
124-48-1	Dibromochloromethane	25	25.5	102	78-122
75-71-8	Dichlorodifluoromethane	25	31.3	125	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.2	101	75-118
541-73-1	m-Dichlorobenzene	25	25.7	103	84-125
95-50-1	o-Dichlorobenzene	25	25.0	100	82-124
106-46-7	p-Dichlorobenzene	25	23.1	92	78-120
156-60-5	trans-1,2-Dichloroethylene	25	24.9	100	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3032-BS	M71822.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	24.0	96	80-120
100-41-4	Ethylbenzene	25	23.8	95	81-121
591-78-6	2-Hexanone	125	129	103	61-129
87-68-3	Hexachlorobutadiene	25	23.8	95	75-142
98-82-8	Isopropylbenzene	25	26.4	106	83-132
99-87-6	p-Isopropyltoluene	25	25.2	101	79-130
108-10-1	4-Methyl-2-pentanone	125	123	98	66-122
74-83-9	Methyl bromide	25	31.3	125	59-143
74-87-3	Methyl chloride	25	27.8	111	50-159
74-95-3	Methylene bromide	25	25.4	102	78-119
75-09-2	Methylene chloride	25	24.7	99	69-135
78-93-3	Methyl ethyl ketone	125	130	104	56-143
1634-04-4	Methyl Tert Butyl Ether	25	22.6	90	72-117
91-20-3	Naphthalene	25	22.0	88	63-132
103-65-1	n-Propylbenzene	25	26.2	105	82-133
100-42-5	Styrene	25	23.4	94	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.9	100	77-122
71-55-6	1,1,1-Trichloroethane	25	27.1	108	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	72-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	76-119
87-61-6	1,2,3-Trichlorobenzene	25	22.8	91	68-131
96-18-4	1,2,3-Trichloropropane	25	25.6	102	77-120
120-82-1	1,2,4-Trichlorobenzene	25	22.8	91	73-129
95-63-6	1,2,4-Trimethylbenzene	25	23.0	92	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.0	92	79-120
127-18-4	Tetrachloroethylene	25	24.5	98	76-135
108-88-3	Toluene	25	23.5	94	80-120
79-01-6	Trichloroethylene	25	26.1	104	81-126
75-69-4	Trichlorofluoromethane	25	30.8	123	71-156
75-01-4	Vinyl chloride	25	28.1	112	69-159
108-05-4	Vinyl Acetate	125	126	101	43-154
	m,p-Xylene	50	50.7	101	79-126
95-47-6	o-Xylene	25	25.1	100	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3032-BS	M71822.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3232-BS	N0074203.D	1	02/06/14	RB	n/a	n/a	VN3232

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-4, FA12143-6, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	109	87	50-147
107-02-8	Acrolein	125	77.4	62	31-154
107-13-1	Acrylonitrile	125	110	88	58-126
71-43-2	Benzene	25	27.3	109	81-122
108-86-1	Bromobenzene	25	26.8	107	80-121
74-97-5	Bromochloromethane	25	27.5	110	76-123
75-27-4	Bromodichloromethane	25	29.3	117	79-123
75-25-2	Bromoform	25	25.3	101	66-123
104-51-8	n-Butylbenzene	25	26.2	105	79-126
135-98-8	sec-Butylbenzene	25	29.3	117	83-133
98-06-6	tert-Butylbenzene	25	28.2	113	80-133
108-90-7	Chlorobenzene	25	28.9	116	82-124
75-00-3	Chloroethane	25	28.2	113	62-144
67-66-3	Chloroform	25	28.9	116	80-124
95-49-8	o-Chlorotoluene	25	27.9	112	81-127
106-43-4	p-Chlorotoluene	25	28.3	113	83-130
75-34-3	1,1-Dichloroethane	25	27.9	112	81-122
75-35-4	1,1-Dichloroethylene	25	33.0	132	78-137
563-58-6	1,1-Dichloropropene	25	30.6	122	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	22.3	89	64-123
106-93-4	1,2-Dibromoethane	25	26.1	104	75-120
107-06-2	1,2-Dichloroethane	25	29.2	117	75-125
78-87-5	1,2-Dichloropropane	25	27.5	110	76-124
142-28-9	1,3-Dichloropropane	25	25.3	101	80-118
594-20-7	2,2-Dichloropropane	25	29.5	118	74-139
124-48-1	Dibromochloromethane	25	27.7	111	78-122
156-59-2	cis-1,2-Dichloroethylene	25	26.6	106	78-120
10061-01-5	cis-1,3-Dichloropropene	25	28.5	114	75-118
541-73-1	m-Dichlorobenzene	25	29.5	118	84-125
95-50-1	o-Dichlorobenzene	25	27.9	112	82-124
106-46-7	p-Dichlorobenzene	25	25.5	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	28.6	114	76-127
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	80-120
100-41-4	Ethylbenzene	25	26.6	106	81-121
591-78-6	2-Hexanone	125	135	108	61-129
87-68-3	Hexachlorobutadiene	25	29.1	116	75-142

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3232-BS	N0074203.D	1	02/06/14	RB	n/a	n/a	VN3232

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-4, FA12143-6, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-82-8	Isopropylbenzene	25	29.6	118	83-132
99-87-6	p-Isopropyltoluene	25	29.4	118	79-130
108-10-1	4-Methyl-2-pentanone	125	124	99	66-122
74-83-9	Methyl bromide	25	31.6	126	59-143
74-95-3	Methylene bromide	25	28.0	112	78-119
75-09-2	Methylene chloride	25	28.8	115	69-135
78-93-3	Methyl ethyl ketone	125	105	84	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.3	101	72-117
103-65-1	n-Propylbenzene	25	28.7	115	82-133
100-42-5	Styrene	25	26.2	105	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	28.7	115	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.1	88	72-120
79-00-5	1,1,2-Trichloroethane	25	24.6	98	76-119
87-61-6	1,2,3-Trichlorobenzene	25	26.4	106	68-131
96-18-4	1,2,3-Trichloropropane	25	27.2	109	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.9	108	73-129
95-63-6	1,2,4-Trimethylbenzene	25	26.0	104	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.9	104	79-120
127-18-4	Tetrachloroethylene	25	30.2	121	76-135
108-88-3	Toluene	25	25.9	104	80-120
75-01-4	Vinyl chloride	25	34.7	139	69-159
	m,p-Xylene	50	56.5	113	79-126
95-47-6	o-Xylene	25	28.4	114	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	95%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12143-5MS	M71845.D	1	02/05/14	RB	n/a	n/a	VM3032
FA12143-5MSD	M71847.D	1	02/05/14	RB	n/a	n/a	VM3032
FA12143-5 [a]	M71843.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Compound	FA12143-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	21.1	J	125	103	66	94.6	59	9	50-147/21
107-02-8	Acrolein	ND		125	85.0	68	80.4	64	6	31-154/29
107-13-1	Acrylonitrile	ND		125	128	102	125	100	2	58-126/16
71-43-2	Benzene	1.9		25	28.1	105	25.9	96	8	81-122/14
108-86-1	Bromobenzene	ND		25	23.4	94	22.5	90	4	80-121/14
74-97-5	Bromochloromethane	ND		25	26.2	105	26.4	106	1	76-123/14
75-27-4	Bromodichloromethane	ND		25	28.4	114	27.4	110	4	79-123/19
75-25-2	Bromoform	ND		25	23.7	95	22.5	90	5	66-123/21
104-51-8	n-Butylbenzene	ND		25	22.1	88	18.3	73*	19*	79-126/16
135-98-8	sec-Butylbenzene	ND		25	23.8	95	19.6	78*	19*	83-133/16
98-06-6	tert-Butylbenzene	ND		25	23.3	93	20.1	80	15	80-133/16
108-90-7	Chlorobenzene	ND		25	25.9	104	23.9	96	8	82-124/14
75-00-3	Chloroethane	ND		25	30.9	124	29.3	117	5	62-144/20
67-66-3	Chloroform	ND		25	26.6	106	25.9	104	3	80-124/15
95-49-8	o-Chlorotoluene	ND		25	22.9	92	21.9	88	4	81-127/15
106-43-4	p-Chlorotoluene	ND		25	24.1	96	23.0	92	5	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	16.3	13*	ND	0*	200*	56-122/23
75-15-0	Carbon disulfide	ND		25	17.3	69	21.0	84	19	66-148/23
56-23-5	Carbon tetrachloride	ND		25	29.3	117	27.0	108	8	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	26.8	107	25.7	103	4	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	25.2	101	23.9	96	5	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	28.6	114	26.7	107	7	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	22.5	90	21.4	86	5	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	24.6	98	24.3	97	1	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	27.8	111	27.0	108	3	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	27.3	109	26.4	106	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	24.5	98	23.4	94	5	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	31.5	126	28.4	114	10	74-139/17
124-48-1	Dibromochloromethane	ND		25	24.9	100	24.4	98	2	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	33.0	132	30.6	122	8	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.4	106	24.9	100	6	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.4	106	24.3	97	8	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	24.8	99	23.5	94	5	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	24.5	98	23.9	96	2	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	22.4	90	21.4	86	5	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.1	108	25.3	101	7	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12143-5MS	M71845.D	1	02/05/14	RB	n/a	n/a	VM3032
FA12143-5MSD	M71847.D	1	02/05/14	RB	n/a	n/a	VM3032
FA12143-5 [a]	M71843.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Compound	FA12143-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.6	98	22.9	92	7	80-120/22
100-41-4	Ethylbenzene	0.67	J	25	23.8	93	22.0	85	8	81-121/14
591-78-6	2-Hexanone	ND		125	103	82	97.6	78	5	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	21.0	84	15.9	64*	28*	75-142/19
98-82-8	Isopropylbenzene	ND		25	24.1	96	21.7	87	10	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	22.3	89	18.7	75*	18*	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	130	104	125	100	4	66-122/16
74-83-9	Methyl bromide	ND		25	37.1	148*	32.8	131	12	59-143/19
74-87-3	Methyl chloride	ND		25	31.0	124	27.1	108	13	50-159/19
74-95-3	Methylene bromide	ND		25	26.3	105	25.8	103	2	78-119/14
75-09-2	Methylene chloride	ND		25	26.4	106	25.4	102	4	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	107	86	96.2	77	11	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	25.2	101	24.7	99	2	72-117/14
91-20-3	Naphthalene	1.2	J	25	20.0	75	17.9	67	11	63-132/25
103-65-1	n-Propylbenzene	ND		25	24.4	98	22.7	91	7	82-133/15
100-42-5	Styrene	ND		25	18.9	76*	17.8	71*	6	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.9	104	24.3	97	6	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	28.2	113	26.4	106	7	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.7	95	23.9	96	1	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	24.2	97	1	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	18.4	74	15.7	63*	16	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	24.0	96	25.8	103	7	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	19.6	78	17.4	70*	12	73-129/20
95-63-6	1,2,4-Trimethylbenzene	0.70	J	25	21.4	83	19.3	74*	10	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	19.2	77*	17.8	71*	8	79-120/19
127-18-4	Tetrachloroethylene	ND		25	23.8	95	21.5	86	10	76-135/16
108-88-3	Toluene	3.5		25	26.2	91	25.1	86	4	80-120/14
79-01-6	Trichloroethylene	ND		25	28.1	112	25.5	102	10	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	34.2	137	30.8	123	10	71-156/21
75-01-4	Vinyl chloride	ND		25	31.7	127	28.1	112	12	69-159/18
108-05-4	Vinyl Acetate	ND		125	138	110	133	106	4	43-154/14
	m,p-Xylene	1.8	J	50	49.6	96	43.5	83	13	79-126/15
95-47-6	o-Xylene	1.0		25	24.8	95	23.4	90	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12143-5MS	M71845.D	1	02/05/14	RB	n/a	n/a	VM3032
FA12143-5MSD	M71847.D	1	02/05/14	RB	n/a	n/a	VM3032
FA12143-5 [a]	M71843.D	1	02/05/14	RB	n/a	n/a	VM3032

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8, FA12143-9

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-5	Limits
1868-53-7	Dibromofluoromethane	104%	106%	108%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	108%	99%	79-125%
2037-26-5	Toluene-D8	95%	97%	94%	85-112%
460-00-4	4-Bromofluorobenzene	94%	99%	99%	83-118%

(a) Sample was treated with an anti-foaming agent.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12240-1MS	N0074216.D	1	02/06/14	RB	n/a	n/a	VN3232
FA12240-1MSD	N0074217.D	1	02/06/14	RB	n/a	n/a	VN3232
FA12240-1	N0074206.D	1	02/06/14	RB	n/a	n/a	VN3232

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-4, FA12143-6, FA12143-8

CAS No.	Compound	FA12240-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	125	82.8	66	80.1	64	3	50-147/21
107-02-8	Acrolein	20	U	125	104	83	113	90	8	31-154/29
107-13-1	Acrylonitrile	10	U	125	112	90	107	86	5	58-126/16
71-43-2	Benzene	1.0	U	25	26.6	106	24.9	100	7	81-122/14
108-86-1	Bromobenzene	1.0	U	25	25.1	100	24.5	98	2	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	27.5	110	25.3	101	8	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	29.0	116	27.4	110	6	79-123/19
75-25-2	Bromoform	1.0	U	25	23.2	93	23.1	92	0	66-123/21
104-51-8	n-Butylbenzene	1.0	U	25	26.3	105	23.8	95	10	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	28.6	114	26.2	105	9	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	27.5	110	24.7	99	11	80-133/16
108-90-7	Chlorobenzene	1.0	U	25	28.4	114	26.6	106	7	82-124/14
75-00-3	Chloroethane	2.0	U	25	34.2	137	31.7	127	8	62-144/20
67-66-3	Chloroform	1.0	U	25	29.2	117	26.8	107	9	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	26.9	108	25.2	101	7	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	26.6	106	25.7	103	3	83-130/15
75-34-3	1,1-Dichloroethane	1.0	U	25	27.7	111	25.9	104	7	81-122/15
75-35-4	1,1-Dichloroethylene	1.0	U	25	32.1	128	29.3	117	9	78-137/18
563-58-6	1,1-Dichloropropene	1.0	U	25	30.0	120	27.5	110	9	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	25	21.5	86	19.3	77	11	64-123/18
106-93-4	1,2-Dibromoethane	1.0	U	25	24.1	96	23.8	95	1	75-120/13
107-06-2	1,2-Dichloroethane	1.0	U	25	28.9	116	27.2	109	6	75-125/14
78-87-5	1,2-Dichloropropane	1.0	U	25	26.3	105	25.0	100	5	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	23.8	95	23.1	92	3	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	35.8	143*	33.0	132	8	74-139/17
124-48-1	Dibromochloromethane	1.0	U	25	25.6	102	24.8	99	3	78-122/19
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	26.3	105	24.4	98	7	78-120/15
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	23.7	95	24.4	98	3	75-118/23
541-73-1	m-Dichlorobenzene	1.0	U	25	28.2	113	26.4	106	7	84-125/14
95-50-1	o-Dichlorobenzene	1.0	U	25	27.0	108	25.1	100	7	82-124/14
106-46-7	p-Dichlorobenzene	1.0	U	25	24.9	100	23.3	93	7	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	28.3	113	26.1	104	8	76-127/17
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	24.9	100	23.4	94	6	80-120/22
100-41-4	Ethylbenzene	1.0	U	25	25.8	103	24.0	96	7	81-121/14
591-78-6	2-Hexanone	10	U	125	95.9	77	93.8	75	2	61-129/18
87-68-3	Hexachlorobutadiene	2.0	U	25	29.1	116	25.5	102	13	75-142/19

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12240-1MS	N0074216.D	1	02/06/14	RB	n/a	n/a	VN3232
FA12240-1MSD	N0074217.D	1	02/06/14	RB	n/a	n/a	VN3232
FA12240-1	N0074206.D	1	02/06/14	RB	n/a	n/a	VN3232

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12143-4, FA12143-6, FA12143-8

CAS No.	Compound	FA12240-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	1.0	U	25	29.4	118	26.8	107	9	83-132/15
99-87-6	p-Isopropyltoluene	1.0	U	25	28.8	115	26.3	105	9	79-130/16
108-10-1	4-Methyl-2-pentanone	5.0	U	125	111	89	103	82	7	66-122/16
74-83-9	Methyl bromide	2.0	U	25	37.3	149*	33.0	132	12	59-143/19
74-95-3	Methylene bromide	2.0	U	25	27.1	108	25.8	103	5	78-119/14
75-09-2	Methylene chloride	5.0	U	25	28.8	115	27.2	109	6	69-135/16
78-93-3	Methyl ethyl ketone	5.0	U	125	91.5	73	88.7	71	3	56-143/18
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	23.7	95	22.8	91	4	72-117/14
103-65-1	n-Propylbenzene	1.0	U	25	27.8	111	25.9	104	7	82-133/15
100-42-5	Styrene	1.0	U	25	24.0	96	23.6	94	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	29.7	119	26.3	105	12	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.4	90	21.9	88	2	72-120/14
79-00-5	1,1,2-Trichloroethane	1.0	U	25	23.9	96	22.9	92	4	76-119/14
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	25.9	104	21.7	87	18	68-131/25
96-18-4	1,2,3-Trichloropropane	2.0	U	25	24.7	99	23.9	96	3	77-120/16
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	25.8	103	22.1	88	15	73-129/20
95-63-6	1,2,4-Trimethylbenzene	2.0	U	25	25.3	101	23.4	94	8	79-120/18
108-67-8	1,3,5-Trimethylbenzene	2.0	U	25	25.1	100	23.0	92	9	79-120/19
127-18-4	Tetrachloroethylene	1.0	U	25	30.1	120	27.5	110	9	76-135/16
108-88-3	Toluene	1.0	U	25	25.0	100	22.9	92	9	80-120/14
75-01-4	Vinyl chloride	1.0	U	25	36.2	145	35.1	140	3	69-159/18
	m,p-Xylene	2.0	U	50	55.1	110	51.5	103	7	79-126/15
95-47-6	o-Xylene	1.0	U	25	27.3	109	25.6	102	6	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA12240-1	Limits
1868-53-7	Dibromofluoromethane	109%	107%	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	113%	111%	107%	79-125%
2037-26-5	Toluene-D8	97%	95%	96%	85-112%
460-00-4	4-Bromofluorobenzene	91%	94%	96%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	T011494.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	T011494.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	T011494.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	45%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	96%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	96%	39-121%

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	X033148.D	1	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	X033148.D	1	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MB	X033148.D	1	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-67%
4165-62-2	Phenol-d5	19%	10-50%
118-79-6	2,4,6-Tribromophenol	82%	33-118%
4165-60-0	Nitrobenzene-d5	81%	42-108%
321-60-8	2-Fluorobiphenyl	75%	40-106%
1718-51-0	Terphenyl-d14	110%	39-121%

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-BS	T011493.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	2.2	2*	10-69
95-57-8	2-Chlorophenol	50	33.7	67	52-98
59-50-7	4-Chloro-3-methyl phenol	50	42.6	85	54-103
120-83-2	2,4-Dichlorophenol	50	39.3	79	53-103
105-67-9	2,4-Dimethylphenol	50	37.3	75	43-90
51-28-5	2,4-Dinitrophenol	100	75.9	76	44-112
534-52-1	4,6-Dinitro-o-cresol	100	75.4	75	66-121
95-48-7	2-Methylphenol	50	32.7	65	43-90
	3&4-Methylphenol	100	62.6	63	36-88
88-75-5	2-Nitrophenol	50	39.2	78	53-102
100-02-7	4-Nitrophenol	100	37.6	38	18-62
87-86-5	Pentachlorophenol	100	81.0	81	61-115
108-95-2	Phenol	50	17.6	35	19-56
95-95-4	2,4,5-Trichlorophenol	50	37.8	76	62-109
88-06-2	2,4,6-Trichlorophenol	50	35.8	72	59-107
83-32-9	Acenaphthene	50	40.3	81	61-107
208-96-8	Acenaphthylene	50	40.4	81	60-104
62-53-3	Aniline	50	37.1	74	47-100
120-12-7	Anthracene	50	41.2	82	65-108
92-87-5	Benzidine	50	41.9	84	25-99
56-55-3	Benzo(a)anthracene	50	40.5	81	66-111
50-32-8	Benzo(a)pyrene	50	40.0	80	62-107
205-99-2	Benzo(b)fluoranthene	50	41.9	84	65-114
191-24-2	Benzo(g,h,i)perylene	50	38.9	78	66-116
207-08-9	Benzo(k)fluoranthene	50	40.2	80	65-114
101-55-3	4-Bromophenyl phenyl ether	50	30.1	60* [a]	65-109
85-68-7	Butyl benzyl phthalate	50	38.3	77	65-112
100-51-6	Benzyl Alcohol	50	33.3	67	46-94
91-58-7	2-Chloronaphthalene	50	37.3	75	57-103
106-47-8	4-Chloroaniline	50	41.7	83	49-105
86-74-8	Carbazole	50	44.4	89	59-113
218-01-9	Chrysene	50	42.6	85	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	40.3	81	51-102
111-44-4	bis(2-Chloroethyl)ether	50	35.0	70	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	39.7	79	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	38.7	77	62-105

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-BS	T011493.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	29.8	60	48-97
122-66-7	1,2-Diphenylhydrazine	50	36.2	72	61-110
541-73-1	1,3-Dichlorobenzene	50	28.9	58	45-95
106-46-7	1,4-Dichlorobenzene	50	30.9	62	45-98
121-14-2	2,4-Dinitrotoluene	50	45.4	91	61-110
606-20-2	2,6-Dinitrotoluene	50	42.8	86	63-108
91-94-1	3,3'-Dichlorobenzidine	50	41.4	83	46-117
53-70-3	Dibenzo(a,h)anthracene	50	40.8	82	66-119
132-64-9	Dibenzofuran	50	40.2	80	61-106
84-74-2	Di-n-butyl phthalate	50	40.6	81	65-107
117-84-0	Di-n-octyl phthalate	50	36.3	73	62-118
84-66-2	Diethyl phthalate	50	42.7	85	64-108
131-11-3	Dimethyl phthalate	50	40.1	80	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	37.3	75	61-117
206-44-0	Fluoranthene	50	45.8	92	63-106
86-73-7	Fluorene	50	43.6	87	62-108
118-74-1	Hexachlorobenzene	50	37.6	75	63-108
87-68-3	Hexachlorobutadiene	50	35.4	71	42-102
77-47-4	Hexachlorocyclopentadiene	50	27.3	55	39-102
67-72-1	Hexachloroethane	50	30.5	61	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	38.5	77	64-119
78-59-1	Isophorone	50	39.7	79	43-87
90-12-0	1-Methylnaphthalene	50	38.4	77	53-102
91-57-6	2-Methylnaphthalene	50	39.6	79	51-102
88-74-4	2-Nitroaniline	50	45.6	91	54-128
99-09-2	3-Nitroaniline	50	46.2	92	56-106
100-01-6	4-Nitroaniline	50	53.5	107	55-120
91-20-3	Naphthalene	50	39.0	78	47-100
98-95-3	Nitrobenzene	50	39.4	79	50-104
62-75-9	N-Nitrosodimethylamine	50	27.6	55	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	37.0	74	52-104
86-30-6	N-Nitrosodiphenylamine	50	37.2	74	64-108
85-01-8	Phenanthrene	50	41.7	83	66-110
129-00-0	Pyrene	50	38.3	77	64-113
110-86-1	Pyridine	50	23.5	47	23-74
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68	45-97

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-BS	T011493.D	1	02/07/14	FS	02/05/14	OP50364	ST547

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	32%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	85%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	86%	39-121%

(a) Sporadic marginal failure.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MS	T011497.D	1	02/07/14	FS	02/05/14	OP50364	ST547
OP50364-MSD	T011498.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	FA12143-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	56.7 [a]	J	189	485	227*	483	226*	0	10-69/39
95-57-8	2-Chlorophenol	ND		94.3	76.4	81	79.6	84	4	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	105	111*	101	107*	4	54-103/23
120-83-2	2,4-Dichlorophenol	ND		94.3	94.7	100	92.0	98	3	53-103/26
105-67-9	2,4-Dimethylphenol	ND		94.3	28.7	30*	27.7	29*	4	43-90/27
51-28-5	2,4-Dinitrophenol	ND		189	225	119*	210	111	7	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		189	192	102	185	98	4	66-121/23
95-48-7	2-Methylphenol	0.74	J	94.3	74.0	78	72.7	76	2	43-90/28
	3&4-Methylphenol	1.6	J	189	154	81	154	81	0	36-88/28
88-75-5	2-Nitrophenol	0.83	J	94.3	93.8	99	96.0	101	2	53-102/29
100-02-7	4-Nitrophenol	ND		189	155	82*	151	80*	3	18-62/33
87-86-5	Pentachlorophenol	ND		189	225	119*	213	113	5	61-115/26
108-95-2	Phenol	11.4		94.3	66.2	58*	66.1	58*	0	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		94.3	91.5	97	87.2	92	5	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		94.3	91.9	97	88.2	93	4	59-107/23
83-32-9	Acenaphthene	ND		94.3	89.5	95	87.2	92	3	61-107/22
208-96-8	Acenaphthylene	ND		94.3	88.3	94	85.8	91	3	60-104/22
62-53-3	Aniline	ND		94.3	ND	0*	ND	0*	nc	47-100/30
120-12-7	Anthracene	ND		94.3	85.8	91	82.8	88	4	65-108/20
56-55-3	Benzo(a)anthracene	ND		94.3	95.4	101	92.2	98	3	66-111/22
50-32-8	Benzo(a)pyrene	ND		94.3	83.8	89	78.7	83	6	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		94.3	102	108	96.3	102	6	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		94.3	97.3	103	92.0	98	6	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		94.3	88.6	94	84.2	89	5	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	70.0	74	67.7	72	3	65-109/23
85-68-7	Butyl benzyl phthalate	1.0	J	94.3	98.0	103	92.9	97	5	65-112/24
100-51-6	Benzyl Alcohol	3.2	J	94.3	91.6	94	91.7	94	0	46-94/27
91-58-7	2-Chloronaphthalene	ND		94.3	82.5	87	80.9	86	2	57-103/23
106-47-8	4-Chloroaniline	ND		94.3	ND	0*	1.3	1*	200*	49-105/27
86-74-8	Carbazole	1.1	J	94.3	90.9	95	90.2	94	1	59-113/21
218-01-9	Chrysene	ND		94.3	91.5	97	85.7	91	7	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	90.3	96	91.7	97	2	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	76.9	82	78.3	83	2	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	85.7	91	87.3	93	2	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	87.9	93	84.0	89	5	62-105/20
95-50-1	1,2-Dichlorobenzene	ND		94.3	71.9	76	73.3	78	2	48-97/24

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MS	T011497.D	1	02/07/14	FS	02/05/14	OP50364	ST547
OP50364-MSD	T011498.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	FA12143-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
122-66-7	1,2-Diphenylhydrazine	ND		94.3	85.5	91	82.4	87	4	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		94.3	70.9	75	72.5	77	2	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		94.3	74.8	79	77.0	82	3	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		94.3	102	108	99.4	105	3	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		94.3	97.2	103	91.8	97	6	63-108/21
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	102	108	95.7	101	6	66-119/24
132-64-9	Dibenzofuran	ND		94.3	91.4	97	86.5	92	6	61-106/21
84-74-2	Di-n-butyl phthalate	2.6	J	94.3	94.6	98	91.6	94	3	65-107/21
117-84-0	Di-n-octyl phthalate	ND		94.3	102	108	98.2	104	4	62-118/24
84-66-2	Diethyl phthalate	ND		94.3	97.7	104	92.9	98	5	64-108/21
131-11-3	Dimethyl phthalate	ND		94.3	91.6	97	86.3	91	6	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	3.6	J	94.3	100	102	94.7	97	5	61-117/23
206-44-0	Fluoranthene	ND		94.3	99.3	105	97.1	103	2	63-106/21
86-73-7	Fluorene	ND		94.3	99.0	105	94.7	100	4	62-108/20
118-74-1	Hexachlorobenzene	ND		94.3	81.8	87	80.1	85	2	63-108/22
87-68-3	Hexachlorobutadiene	ND		94.3	86.5	92	86.8	92	0	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		94.3	67.0	71	63.3	67	6	39-102/29
67-72-1	Hexachloroethane	ND		94.3	75.0	80	75.9	80	1	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	98.4	104	91.8	97	7	64-119/24
78-59-1	Isophorone	ND		94.3	92.9	98*	92.5	98*	0	43-87/25
90-12-0	1-Methylnaphthalene	0.71	J	94.3	90.7	95	90.5	95	0	53-102/27
91-57-6	2-Methylnaphthalene	1.2	J	94.3	94.1	98	93.6	98	1	51-102/26
88-74-4	2-Nitroaniline	ND		94.3	79.0	84	75.4	80	5	54-128/24
99-09-2	3-Nitroaniline	ND		94.3	ND	0*	ND	0*	nc	56-106/27
100-01-6	4-Nitroaniline	ND		94.3	ND	0*	ND	0*	nc	55-120/24
91-20-3	Naphthalene	5.5		94.3	98.9	99	99.9	100	1	47-100/29
98-95-3	Nitrobenzene	ND		94.3	107	113*	108	114*	1	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		94.3	69.3	73	71.9	76	4	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	93.9	100	96.3	102	3	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		94.3	75.1	80	73.0	77	3	64-108/23
85-01-8	Phenanthrene	1.0	J	94.3	95.5	100	92.4	97	3	66-110/21
129-00-0	Pyrene	ND		94.3	96.0	102	90.0	95	6	64-113/23
110-86-1	Pyridine	ND		94.3	10.7	11*	70.2	74	147*	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	80.5	85	81.6	86	1	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50364-MS	T011497.D	1	02/07/14	FS	02/05/14	OP50364	ST547
OP50364-MSD	T011498.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	T011496.D	1	02/07/14	FS	02/05/14	OP50364	ST547
FA12143-1	X033150.D	4	02/10/14	FS	02/05/14	OP50364	SX1563

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-1	FA12143-1	Limits
367-12-4	2-Fluorophenol	65%	66%	42%	28%	14-67%
4165-62-2	Phenol-d5	52%*	53%*	30%	16%	10-50%
118-79-6	2,4,6-Tribromophenol	99%	93%	93%	85%	33-118%
4165-60-0	Nitrobenzene-d5	100%	101%	103%	71%	42-108%
321-60-8	2-Fluorobiphenyl	89%	85%	83%	75%	40-106%
1718-51-0	Terphenyl-d14	114%	108%	93%	78%	39-121%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50379-MB	CC043372.D	1	02/10/14	NJ	02/06/14	OP50379	GCC637

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	72%	33-145%

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50346-MB	KK61574.D	1	02/06/14	EM	02/04/14	OP50346	GKK2061

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	92%	42-127%
2051-24-3	Decachlorobiphenyl	100%	27-127%

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50347-MB	ST124052.D	1	02/04/14	MV	02/04/14	OP50347	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	93%	38-127%
2051-24-3	Decachlorobiphenyl	99%	25-137%

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50366-MB	ST124082.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-5

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	84%	38-127%
2051-24-3	Decachlorobiphenyl	84%	25-137%

Method Blank Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50366-MB	MM09858.D	1	02/06/14	MV	02/05/14	OP50366	GMM216

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-5

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	87%	38-127%
2051-24-3	Decachlorobiphenyl	97%	25-137%

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50379-BS	CC043371.D	1	02/10/14	NJ	02/06/14	OP50379	GCC637

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	6.0	120	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.66	132	76-142
93-76-5	2,4,5-T	0.5	0.61	122	75-149
1918-00-9	Dicamba	0.5	0.59	118	51-150
88-85-7	Dinoseb	2.5	2.7	108	10-122
75-99-0	Dalapon	12.5	11.2	90	19-132
120-36-5	Dichloroprop	5	7.1	142	76-160
94-82-6	2,4-DB	5	5.8	116	65-145
93-65-2	MCPP	500	532	106	66-131
94-74-6	MCPA	500	575	115	64-137
87-86-5	Pentachlorophenol	0.5	0.53	106	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	98%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50346-BS	KK61573.D	1	02/06/14	EM	02/04/14	OP50346	GKK2061

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.48	96	61-126
319-84-6	alpha-BHC	0.5	0.49	98	66-129
319-85-7	beta-BHC	0.5	0.49	98	66-132
319-86-8	delta-BHC	0.5	0.47	94	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.49	98	68-132
5103-71-9	alpha-Chlordane	0.5	0.52	104	66-131
5103-74-2	gamma-Chlordane	0.5	0.54	108	68-128
60-57-1	Dieldrin	0.5	0.51	102	66-138
72-54-8	4,4'-DDD	0.5	0.47	94	63-138
72-55-9	4,4'-DDE	0.5	0.48	96	59-133
50-29-3	4,4'-DDT	0.5	0.56	112	55-145
72-20-8	Endrin	0.5	0.48	96	71-147
1031-07-8	Endosulfan sulfate	0.5	0.46	92	64-128
7421-93-4	Endrin aldehyde	0.5	0.41	82	60-130
53494-70-5	Endrin ketone	0.5	0.45	90	66-137
959-98-8	Endosulfan-I	0.5	0.49	98	66-133
33213-65-9	Endosulfan-II	0.5	0.47	94	65-133
76-44-8	Heptachlor	0.5	0.49	98	63-130
1024-57-3	Heptachlor epoxide	0.5	0.49	98	67-129
72-43-5	Methoxychlor	0.5	0.50	100	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	94%	42-127%
2051-24-3	Decachlorobiphenyl	98%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50347-BS	ST124051.D	1	02/04/14	MV	02/04/14	OP50347	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.4	85	57-122
11096-82-5	Aroclor 1260	4	3.1	78	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	88%	38-127%
2051-24-3	Decachlorobiphenyl	89%	25-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50366-BS [a]	ST124081.D	1	02/06/14	MV	02/05/14	OP50366	GST2948

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.3	83	57-122
11096-82-5	Aroclor 1260	4	3.5	88	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	84%	38-127%
2051-24-3	Decachlorobiphenyl	85%	25-137%

(a) Insufficient sample for MS/MSD.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50366-BS	MM09857.D	1	02/06/14	MV	02/05/14	OP50366	GMM216

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.6	90	57-122
11096-82-5	Aroclor 1260	4	3.7	93	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	38-127%
2051-24-3	Decachlorobiphenyl	92%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50379-MS	CC043375.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
OP50379-MSD	CC043376.D	25	02/10/14	NJ	02/06/14	OP50379	GCC637
FA12143-8 [a]	CC043385.D	50	02/10/14	NJ	02/06/14	OP50379	GCC637

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	FA12143-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		9.43	18.1	192*	16.6	176*	9	69-138/21
93-72-1	2,4,5-TP (Silvex)	ND		0.943	ND	0*	ND	0*	nc	76-142/27
93-76-5	2,4,5-T	2.3	J	0.943	3.3	106	3.8	159* [b]	14	75-149/22
1918-00-9	Dicamba	ND		0.943	1.8	191*	1.7	180*	6	51-150/23
88-85-7	Dinoseb	ND		4.72	ND	0*	ND	0*	nc	10-122/35
75-99-0	Dalapon	ND		23.6	ND	0*	ND	0*	nc	19-132/28
120-36-5	Dichloroprop	ND		9.43	16.3	173*	14.0	148	15	76-160/21
94-82-6	2,4-DB	ND		9.43	26.9	285*	20.7	219*	26	65-145/26
93-65-2	MCPP	ND		943	3350	355*	2990	317*	11	66-131/21
94-74-6	MCPA	ND		943	5030	533*	4650	493*	8	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	1.8	191*	2.1	223*	15	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-8	Limits
19719-28-9	2,4-DCAA	0%* [c]	0%* [c]	0%* [c]	33-145%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50346-MS	KK61582.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
OP50346-MSD	KK61584.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061
FA12143-2 [a]	KK61581.D	10	02/06/14	EM	02/04/14	OP50346	GKK2061

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	FA12143-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		0.943	0.37	39*	0.43	46*	15	61-126/21
319-84-6	alpha-BHC	ND		0.943	0.60	64*	0.69	73	14	66-129/23
319-85-7	beta-BHC	ND		0.943	0.48	51*	0.57	60*	17	66-132/23
319-86-8	delta-BHC	ND		0.943	0.77	82	0.92	98	18	41-142/27
58-89-9	gamma-BHC (Lindane)	ND		0.943	0.54	57*	0.60	64*	11	68-132/22
5103-71-9	alpha-Chlordane	ND		0.943	0.66	70	0.77	82	15	66-131/24
5103-74-2	gamma-Chlordane	ND		0.943	0.64	68	0.76	81	17	68-128/21
60-57-1	Dieldrin	ND		0.943	0.47	50*	0.54	57*	14	66-138/22
72-54-8	4,4'-DDD	ND		0.943	0.39	41*	0.43	46*	10	63-138/24
72-55-9	4,4'-DDE	ND		0.943	0.35	37*	0.39	41*	11	59-133/23
50-29-3	4,4'-DDT	ND		0.943	0.54	57	0.63	67	15	55-145/27
72-20-8	Endrin	ND		0.943	0.56	59*	0.65	69*	15	71-147/23
1031-07-8	Endosulfan sulfate	ND		0.943	0.51	54*	0.58	61*	13	64-128/26
7421-93-4	Endrin aldehyde	ND		0.943	0.40	42*	0.49	52*	20	60-130/22
53494-70-5	Endrin ketone	ND		0.943	0.55	58*	0.66	70	18	66-137/25
959-98-8	Endosulfan-I	ND		0.943	0.44	47*	0.51	54*	15	66-133/21
33213-65-9	Endosulfan-II	ND		0.943	0.47	50*	0.53	56*	12	65-133/22
76-44-8	Heptachlor	ND		0.943	0.44	47*	0.53	56*	19	63-130/23
1024-57-3	Heptachlor epoxide	ND		0.943	0.50	53*	0.58	61*	15	67-129/23
72-43-5	Methoxychlor	ND		0.943	0.68	72	0.69	73	1	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-2	Limits
877-09-8	Tetrachloro-m-xylene	81%	96%	112%	42-127%
2051-24-3	Decachlorobiphenyl	10%*	14%*	5%* [b]	27-127%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50347-MS	ST124070.D	1	02/05/14	MV	02/04/14	OP50347	GST2947
OP50347-MSD	ST124071.D	1	02/05/14	MV	02/04/14	OP50347	GST2947
FA12143-8 [a]	ST124069.D	1	02/05/14	MV	02/04/14	OP50347	GST2947

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-6, FA12143-7, FA12143-8

CAS No.	Compound	FA12143-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	4.9	65	5.3	70	8	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	2.5	33*	3.2	42*	25*	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12143-8	Limits
877-09-8	Tetrachloro-m-xylene	68%	69%	55%	38-127%
2051-24-3	Decachlorobiphenyl	10%* [c]	12%* [c]	8%* [b]	25-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to matrix interference. Confirmed by MS/MSD.
(c) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12143
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50366-MS	MM09860.D	1	02/06/14	MV	02/05/14	OP50366	GMM216
OP50366-MSD	MM09861.D	1	02/06/14	MV	02/05/14	OP50366	GMM216
FA12233-1	MM09859.D	1	02/06/14	MV	02/05/14	OP50366	GMM216

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12143-5

CAS No.	Compound	FA12233-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	0.48	U	7.62	6.2	81	6.3	83	2	57-122/18
11096-82-5	Aroclor 1260	0.48	U	7.62	5.9	77	6.2	81	5	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12233-1	Limits
877-09-8	Tetrachloro-m-xylene	88%	90%	94%	38-127%
2051-24-3	Decachlorobiphenyl	83%	91%	74%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	5.1	<200
Antimony	6.0	2	2.3	-0.20	<6.0
Arsenic	10	2	2.4	-1.8	<10
Barium	200	1	1	-0.10	<200
Beryllium	4.0	.5	.5	-0.20	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	1.7	<1000
Chromium	10	1	2	-0.50	<10
Cobalt	50	.5	.5	-0.20	<50
Copper	25	1	1	-0.20	<25
Iron	300	17	17	-0.10	<300
Lead	5.0	1.1	1.1	-1.2	<5.0
Magnesium	5000	50	56	-33	<5000
Manganese	15	.5	1	-0.10	<15
Molybdenum	50	.5	.5	-0.40	<50
Nickel	40	.5	.5	-0.20	<40
Potassium	10000	200	200	9.8	<10000
Selenium	10	2.3	2.3	0.70	<10
Silver	10	.65	.77	0.0	<10
Sodium	10000	500	500	10.5	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-1.6	<10
Tin	50	.7	1	-0.50	<50
Titanium	10	.9	1	-0.60	<10
Vanadium	50	.5	.5	-0.20	<50
Zinc	20	3	3	1.4	<20

Associated samples MP26765: FA12143-1, FA12143-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		02/03/14				02/03/14			
Metal	FA12103-1 Original	DUP	RPD	QC Limits	FA12103-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	287000	215000(a	28.7*(b)	0-20	287000	180000(a	27000	-396.3(d	80-120
Antimony	98.5	78.9 (a)	22.1 (c)	0-20	98.5	152 (a)	500	10.7N(e)	80-120
Arsenic	145	113 (a)	24.8 (c)	0-20	145	1560 (a)	2000	70.8N(e)	80-120
Barium	19400	15200(a)	24.3*(b)	0-20	19400	12700(a)	2000	-335.0(d	80-120
Beryllium	11.9	8.9 (a)	28.8 (c)	0-20	11.9	52.7 (a)	50	81.6	80-120
Cadmium	451	358 (a)	23.0*(b)	0-20	451	353 (a)	50	-196.0(d	80-120
Calcium	1260000	1180000a	6.6	0-20	1260000	1190000a	25000	-280.0(d	80-120
Chromium	6310	4730 (a)	28.6*(b)	0-20	6310	3540 (a)	200	-1385.0d	80-120
Cobalt	1100	893 (a)	20.8 (c)	0-20	1100	1150 (a)	500	10.0N(e)	80-120
Copper	2930	2220 (a)	27.6*(b)	0-20	2930	1820 (a)	250	-444.0(d	80-120
Iron	780000	584000(a	28.7*(b)	0-20	780000	429000(a	26000	-1350.0d	80-120
Lead	30600	22200(a)	31.8*(b)	0-20	30600	16600(a)	500	-2800.0d	80-120
Magnesium	188000	148000(a	23.8 (c)	0-20	188000	135000(a	25000	-212.0(d	80-120
Manganese	13700	11300(a)	19.2	0-20	13700	9630 (a)	500	-814.0(d	80-120
Molybdenum	70.3	54.4 (a)	25.5 (c)	0-20	70.3	312 (a)	500	48.3N(e)	80-120
Nickel	1130	860 (a)	27.1 (c)	0-20	1130	1070 (a)	500	-12.0N(e	80-120
Potassium	89800	78600(a)	13.3	0-20	89800	90900(a)	25000	4.4N (e)	80-120
Selenium	35.6	0.0 (a)	200.0(c)	0-20	35.6	1250 (a)	2000	60.7N(e)	80-120
Silver	62.2	41.7 (a)	39.5 (c)	0-20	62.2	72.6 (a)	50	20.8N(e)	80-120
Sodium	113000	118000(a	4.3	0-20	113000	147000(a	25000	136.0(d)	80-120
Strontium	6020	5460 (a)	9.8	0-20	6020	5600 (a)	500	-84.0(d)	80-120
Thallium	0.0	0.0 (a)	NC	0-20	0.0	1960 (a)	2000	98.0	80-120
Tin	125	58.0 (a)	73.2 (c)	0-20	125	135 (a)	500	2.0N (e)	80-120
Titanium	6970	5730 (a)	19.5	0-20	6970	4640 (a)	500	-466.0(d	80-120
Vanadium	565	429 (a)	27.4 (c)	0-20	565	731 (a)	500	33.2N(e)	80-120
Zinc	55600	45100(a)	20.9*(b)	0-20	55600	36600(a)	500	-3800.0d	80-120

Associated samples MP26765: FA12143-1, FA12143-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) High RPD indicates possible matrix interference.
(c) RPD acceptable due to low duplicate and sample concentrations.
(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(e) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	FA12103-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	287000	160000(a	27000	-470.4(b	11.8	20
Antimony	98.5	162 (a)	500	12.7N(c)	6.4	20
Arsenic	145	1630 (a)	2000	74.3N(c)	4.4	20
Barium	19400	11600(a)	2000	-390.0(b	9.1	20
Beryllium	11.9	52.3 (a)	50	80.8	0.8	20
Cadmium	451	330 (a)	50	-242.0(b	6.7	20
Calcium	1260000	1140000a	25000	-480.0(b	4.3	20
Chromium	6310	3200 (a)	200	-1555.0b	10.1	20
Cobalt	1100	1110 (a)	500	2.0N (c)	3.5	20
Copper	2930	1650 (a)	250	-512.0(b	9.8	20
Iron	780000	381000(a	26000	-1534.6b	11.9	20
Lead	30600	14900(a)	500	-3140.0b	10.8	20
Magnesium	188000	126000(a	25000	-248.0(b	6.9	20
Manganese	13700	9020 (a)	500	-936.0(b	6.5	20
Molybdenum	70.3	332 (a)	500	52.3N(c)	6.2	20
Nickel	1130	1020 (a)	500	-22.0N(c	4.8	20
Potassium	89800	87100(a)	25000	-10.8N(c	4.3	20
Selenium	35.6	1280 (a)	2000	62.2N(c)	2.4	20
Silver	62.2	72.9 (a)	50	21.4N(c)	0.4	20
Sodium	113000	147000(a	25000	136.0(b)	0.0	20
Strontium	6020	5350 (a)	500	-134.0(b	4.6	20
Thallium	0.0	1980 (a)	2000	99.0	1.0	20
Tin	125	206 (a)	500	16.2N(c)	41.6 (d)	20
Titanium	6970	4130 (a)	500	-568.0(b	11.6	20
Vanadium	565	709 (a)	500	28.8N(c)	3.1	20
Zinc	55600	34000(a)	500	-4320.0b	7.4	20

Associated samples MP26765: FA12143-1, FA12143-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike recovery indicates possible matrix interference.
(d) High RPD indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	28800	27000	106.7	80-120
Antimony	532	500	106.4	80-120
Arsenic	2130	2000	106.5	80-120
Barium	2140	2000	107.0	80-120
Beryllium	54.7	50	109.4	80-120
Cadmium	53.4	50	106.8	80-120
Calcium	27300	25000	109.2	80-120
Chromium	219	200	109.5	80-120
Cobalt	533	500	106.6	80-120
Copper	271	250	108.4	80-120
Iron	27600	26000	106.2	80-120
Lead	524	500	104.8	80-120
Magnesium	26600	25000	106.4	80-120
Manganese	554	500	110.8	80-120
Molybdenum	522	500	104.4	80-120
Nickel	552	500	110.4	80-120
Potassium	26600	25000	106.4	80-120
Selenium	2100	2000	105.0	80-120
Silver	52.5	50	105.0	80-120
Sodium	26700	25000	106.8	80-120
Strontium	534	500	106.8	80-120
Thallium	2090	2000	104.5	80-120
Tin	540	500	108.0	80-120
Titanium	551	500	110.2	80-120
Vanadium	526	500	105.2	80-120
Zinc	542	500	108.4	80-120

Associated samples MP26765: FA12143-1, FA12143-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/03/14

Metal	FA12103-1 Original	SDL 10	%DIF	QC Limits
Aluminum	287000	335000	16.7*(a)	0-10
Antimony	98.5	144	46.6 (b)	0-10
Arsenic	145	150	2.8	0-10
Barium	19400	22500	16.0*(a)	0-10
Beryllium	11.9	0.00	100.0(b)	0-10
Cadmium	451	531	18.0*(a)	0-10
Calcium	1260000	1510000	20.5*(a)	0-10
Chromium	6310	7560	19.8*(a)	0-10
Cobalt	1100	1330	20.4*(a)	0-10
Copper	2930	3290	12.3*(a)	0-10
Iron	780000	956000	22.6*(a)	0-10
Lead	30600	28800	5.6	0-10
Magnesium	188000	227000	21.0*(a)	0-10
Manganese	13700	16600	21.1*(a)	0-10
Molybdenum	70.3	76.1	8.3	0-10
Nickel	1130	1370	20.6*(a)	0-10
Potassium	89800	103000	14.9 (b)	0-10
Selenium	35.6	0.00	100.0(b)	0-10
Silver	62.2	83.3	33.9 (b)	0-10
Sodium	113000	129000	14.7 (b)	0-10
Strontium	6020	7050	17.1*(a)	0-10
Thallium	0.00	0.00	NC	0-10
Tin	125	140	11.4 (b)	0-10
Titanium	6970	8360	19.9*(a)	0-10
Vanadium	565	653	15.5*(a)	0-10
Zinc	55600	69100	24.2*(a)	0-10

Associated samples MP26765: FA12143-1, FA12143-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26765
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12103-1 Raw	FA12103-1 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	287100	281358	286600	0.2	125	2500	209.7*(a	80-120
Antimony	9.8	10	98.5	96.53	174.3	0.2	5	100	77.8*(a)	80-120
Arsenic	9.8	10	145.4	142.492	219.2	0.2	5	100	76.7*(a)	80-120
Barium	9.8	10	19420	19031.6	19510	0.2	12.5	250	191.4*(a	80-120
Beryllium	9.8	10	11.9	11.662	54.7	0.2	2.5	50	86.1	80-120
Cadmium	9.8	10	450.5	441.49	492.1	0.2	2.5	50	101.2	80-120
Calcium	9.8	10	1256000	1230880	1256000	0.2	250	5000	502.4*(a	80-120
Chromium	9.8	10	6310	6183.8	6276	0.2	2.5	50	184.4*(a	80-120
Cobalt	9.8	10	1103	1080.94	1145	0.2	2.5	50	128.1*(a	80-120
Copper	9.8	10	2930	2871.4	2988	0.2	5	100	116.6	80-120
Iron	9.8	10	779700	764106	779100	0.2	150	3000	499.8*(a	80-120
Lead	9.8	10	30560	29948.8	30600	0.2	2.5	50	1302.4*a	80-120
Magnesium	9.8	10	188000	184240	191600	0.2	250	5000	147.2*(a	80-120
Manganese	9.8	10	13680	13406.4	13680	0.2	2.5	50	547.2*(a	80-120
Molybdenum	9.8	10	70.3	68.894	155.2	0.2	5	100	86.3	80-120
Nickel	9.8	10	1132	1109.36	1219	0.2	5	100	109.6	80-120
Potassium	9.8	10	89790	87994.2	98010	0.2	500	10000	100.2	80-120
Selenium	9.8	10	35.6	34.888	133.1	0.2	5	100	98.2	80-120
Silver	9.8	10	62.2	60.956	106	0.2	2.5	50	90.1	80-120
Sodium	9.8	10	112500	110250	120600	0.2	500	10000	103.5	80-120
Strontium	9.8	10	6023	5902.54	6009	0.2	2.5	50	212.9*(a	80-120
Thallium	9.8	10			93.1	0.2	5	100	93.1	80-120
Tin	9.8	10	125.3	122.794	168.6	0.2	2.5	50	91.6	80-120
Titanium	9.8	10	6971	6831.58	7066	0.2	5	100	234.4*(a	80-120
Vanadium	9.8	10	565.2	553.896	599.9	0.2	2.5	50	92.0	80-120
Zinc	9.8	10	55620	54507.6	55670	0.2	12.5	250	465.0*(a	80-120

Associated samples MP26765: FA12143-1, FA12143-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	3.8	<200
Antimony	6.0	2	2.3	-0.60	<6.0
Arsenic	10	2	2.4	-0.40	<10
Barium	200	1	1	-0.30	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	-4.0	<1000
Chromium	10	1	2	-0.20	<10
Cobalt	50	.5	.5	-0.10	<50
Copper	25	1	1	0.50	<25
Iron	300	17	17	-17	<300
Lead	5.0	1.1	1.1	0.60	<5.0
Magnesium	5000	50	56	-5.3	<5000
Manganese	15	.5	1	0.10	<15
Molybdenum	50	.5	.5	-0.70	<50
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200	-17	<10000
Selenium	10	2.3	2.3	0.40	<10
Silver	10	.65	.77	-0.40	<10
Sodium	10000	500	500	-12	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-0.10	<10
Tin	50	.7	1	-0.40	<50
Titanium	10	.9	1	-1.1	<10
Vanadium	50	.5	.5	0.20	<50
Zinc	20	3	3	3.3	<20

Associated samples MP26766: FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		02/03/14				02/03/14		
Metal	FA12143-2 Original	DUP	RPD	QC Limits	FA12143-2 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	1610	1600	0.6	0-20	1610	29500	27000	103.3	80-120
Antimony	17.7	17.9	1.1	0-20	17.7	494	500	95.3	80-120
Arsenic	5.9	5.8	1.7	0-20	5.9	1980	2000	98.7	80-120
Barium	70.5	67.0	1.2	0-20	70.5	2120	2000	102.6	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	52.9	50	105.8	80-120
Cadmium	0.0	2.8	0.0	0-20	0.0	52.6	50	99.6	80-120
Calcium	21900	22100	0.9	0-20	21900	48700	25000	107.2	80-120
Chromium	1280	1260	1.6	0-20	1280	1720	200	220.0(a)	80-120
Cobalt	5.3	5.1	3.8	0-20	5.3	506	500	100.1	80-120
Copper	688	681	1.0	0-20	688	973	250	114.0	80-120
Iron	7160	7430	0.8	0-20	7160	35900	26000	109.3	80-120
Lead	224	214	1.4	0-20	224	748	500	106.2	80-120
Magnesium	8870	8870	0.0	0-20	8870	33900	25000	100.1	80-120
Manganese	172	155	1.3	0-20	172	697	500	108.0	80-120
Molybdenum	8.9	9.5	4.1	0-20	8.9	506	500	99.2	80-120
Nickel	46.4	42.9	2.3	0-20	46.4	542	500	99.6	80-120
Potassium	6650	6580	1.1	0-20	6650	32100	25000	101.8	80-120
Selenium	3.3	3.3	0.0	0-20	3.3	1960	2000	97.8	80-120
Silver	1.9	1.8	5.4	0-20	1.9	51.8	50	99.8	80-120
Sodium	257000	259000	4.9	0-20	257000	297000	25000	100.0	80-120
Strontium	240	241	0.4	0-20	240	774	500	106.8	80-120
Thallium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Tin	0.0	3.5	5.6	0-20	0.0	503	500	99.9	80-120
Titanium	18.3	17.6	3.9	0-20	18.3	551	500	106.5	80-120
Vanadium	2.4	2.6	8.0	0-20	2.4	493	500	98.1	80-120
Zinc	424	416	1.9	0-20	424	949	500	105.0	80-120

Associated samples MP26766: FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12143-2 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	1610	29500	27000	103.3	0.0	20
Antimony	17.7	497	500	95.9	0.6	20
Arsenic	5.9	2000	2000	99.7	1.0	20
Barium	70.5	2130	2000	103.1	0.5	20
Beryllium	0.0	52.9	50	105.8	0.0	20
Cadmium	0.0	52.6	50	99.6	0.0	20
Calcium	21900	48700	25000	107.2	0.0	20
Chromium	1280	1460	200	90.0	16.4	20
Cobalt	5.3	508	500	100.5	0.4	20
Copper	688	968	250	112.0	0.5	20
Iron	7160	35000	26000	105.8	2.5	20
Lead	224	729	500	102.4	2.6	20
Magnesium	8870	34100	25000	100.9	0.6	20
Manganese	172	694	500	107.4	0.4	20
Molybdenum	8.9	508	500	99.6	0.4	20
Nickel	46.4	545	500	100.2	0.6	20
Potassium	6650	32200	25000	102.2	0.3	20
Selenium	3.3	1970	2000	98.3	0.5	20
Silver	1.9	52.0	50	100.2	0.4	20
Sodium	257000	295000	25000	92.0	0.7	20
Strontium	240	767	500	105.4	0.9	20
Thallium	0.0	2020	2000	101.0	0.0	20
Tin	0.0	505	500	100.3	0.4	20
Titanium	18.3	552	500	106.7	0.2	20
Vanadium	2.4	495	500	98.5	0.4	20
Zinc	424	929	500	101.0	2.1	20

Associated samples MP26766: FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27200	27000	100.7	80-120
Antimony	474	500	94.8	80-120
Arsenic	1900	2000	95.0	80-120
Barium	2020	2000	101.0	80-120
Beryllium	50.9	50	101.8	80-120
Cadmium	48.2	50	96.4	80-120
Calcium	25500	25000	102.0	80-120
Chromium	204	200	102.0	80-120
Cobalt	489	500	97.8	80-120
Copper	258	250	103.2	80-120
Iron	26600	26000	102.3	80-120
Lead	492	500	98.4	80-120
Magnesium	24700	25000	98.8	80-120
Manganese	518	500	103.6	80-120
Molybdenum	487	500	97.4	80-120
Nickel	493	500	98.6	80-120
Potassium	24900	25000	99.6	80-120
Selenium	1890	2000	94.5	80-120
Silver	48.6	50	97.2	80-120
Sodium	25200	25000	100.8	80-120
Strontium	506	500	101.2	80-120
Thallium	1990	2000	99.5	80-120
Tin	499	500	99.8	80-120
Titanium	520	500	104.0	80-120
Vanadium	477	500	95.4	80-120
Zinc	492	500	98.4	80-120

Associated samples MP26766: FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	FA12143-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	1610	1650	2.0	0-10
Antimony	17.7	13.6	23.2 (a)	0-10
Arsenic	5.90	0.00	100.0(a)	0-10
Barium	70.5	70.0	3.2	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	2.80	2.50	10.7 (a)	0-10
Calcium	21900	24300	10.7*(b)	0-10
Chromium	1280	1290	0.9	0-10
Cobalt	5.30	5.10	3.8	0-10
Copper	697	704	2.3	0-10
Iron	7490	7490	0.0	0-10
Lead	224	217	0.0	0-10
Magnesium	8870	9260	4.5	0-10
Manganese	172	160	2.1	0-10
Molybdenum	9.90	6.10	38.4 (a)	0-10
Nickel	46.4	43.9	0.0	0-10
Potassium	6360	6640	0.3	0-10
Selenium	0.00	0.00	NC (a)	0-10
Silver	0.00	0.00	NC (a)	0-10
Sodium	257000	262000	3.9	0-10
Strontium	240	252	4.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	3.70	0.00	100.0(a)	0-10
Titanium	18.3	13.3	27.3 (a)	0-10
Vanadium	3.50	2.70	12.5 (a)	0-10
Zinc	424	431	1.6	0-10

Associated samples MP26766: FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26766
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

Metal	Sample ml	Final ml	FA12143-2 Raw	FA12143-2 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1614	1581.72	4093	0.2	125	2500	100.5	80-120
Antimony	9.8	10	17.7	17.346	113.1	0.2	5	100	95.8	80-120
Arsenic	9.8	10	5.9	5.782	104.9	0.2	5	100	99.1	80-120
Barium	9.8	10	70.5	66.444	317.8	0.2	12.5	250	100.5	80-120
Beryllium	9.8	10			51.3	0.2	2.5	50	102.6	80-120
Cadmium	9.8	10		2.744	52.6	0.2	2.5	50	99.7	80-120
Calcium	9.8	10	21920	21481.6	27210	0.2	250	5000	114.6	80-120
Chromium	9.8	10	1276	1250.48	1305	0.2	2.5	50	109.0	80-120
Cobalt	9.8	10	5.3	5.194	54.5	0.2	2.5	50	98.6	80-120
Copper	9.8	10	687.7	673.946	782.1	0.2	5	100	108.2	80-120
Iron	9.8	10	7157	7343.14	10380	0.2	150	3000	101.2	80-120
Lead	9.8	10	223.5	212.366	264.3	0.2	2.5	50	103.9	80-120
Magnesium	9.8	10	8868	8690.64	13560	0.2	250	5000	97.4	80-120
Manganese	9.8	10	171.8	153.762	206.3	0.2	2.5	50	105.1	80-120
Molybdenum	9.8	10	8.9	9.702	108.1	0.2	5	100	98.4	80-120
Nickel	9.8	10	46.4	43.022	141.2	0.2	5	100	98.2	80-120
Potassium	9.8	10	6654	6520.92	16300	0.2	500	10000	97.8	80-120
Selenium	9.8	10	3.3	3.234	98.1	0.2	5	100	94.9	80-120
Silver	9.8	10	1.9	1.862	51.4	0.2	2.5	50	99.1	80-120
Sodium	9.8	10	257400	266952	281500	0.2	500	10000	145.5*(a	80-120
Strontium	9.8	10	240.3	235.494	289.7	0.2	2.5	50	108.4	80-120
Thallium	9.8	10			100.9	0.2	5	100	100.9	80-120
Tin	9.8	10		3.626	51.1	0.2	2.5	50	94.9	80-120
Titanium	9.8	10	18.3	17.934	119.3	0.2	5	100	101.4	80-120
Vanadium	9.8	10	2.4	2.352	51.1	0.2	2.5	50	97.5	80-120
Zinc	9.8	10	423.7	415.226	669.3	0.2	12.5	250	101.6	80-120

Associated samples MP26766: FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26795 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/10/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.0070	<0.50

Associated samples MP26795: FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/10/14 02/10/14

Metal	FA12065-1R Original	DUP	RPD	QC Limits	FA12065-1R Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.11	0.11	0.0	0-20	0.11	3.0	3	96.3	80-120

Associated samples MP26795: FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26795 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/10/14

Metal	FA12065-1R Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.11	3.1	3	99.7	3.3	20

Associated samples MP26795: FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/10/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.9	3	96.7	80-120

Associated samples MP26795: FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12143
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; KS

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/10/14

Metal	FA12065-1R Original	SDL 1:5	%DIF	QC Limits
Mercury	0.115	0.00	100.0(a)	0-10

Associated samples MP26795: FA12143-1, FA12143-2, FA12143-3, FA12143-4, FA12143-5, FA12143-6, FA12143-7, FA12143-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

Southeast
ACCUTEST LABORATORIES

02/19/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita,KS

Accutest Job Number: FA12143R

Sampling Date: 01/31/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **18**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita,KS

Job No: FA12143R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12143-4FR	01/31/14	12:40	BGSK	02/01/14	AQ	Water Filtered	BLD D NT 14 INT

Summary of Hits

Job Number: FA12143R
Account: ISI Environmental Services
Project: Clean Harbors; Wichita,KS
Collected: 01/31/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12143-4FR	**BLD D NT 14 INT**					
Chromium		287	10		ug/l	SW846 6010C
Cobalt		3200	50		ug/l	SW846 6010C
Lead		200	5.0		ug/l	SW846 6010C

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D NT 14 INT		
Lab Sample ID:	FA12143-4FR	**Date Sampled:**	01/31/14
Matrix:	AQ - Water Filtered	**Date Received:**	02/01/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita,KS		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	287	10	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]
Cobalt	3200	50	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	200	5.0	ug/l	1	02/18/14	02/18/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11403
(2) Prep QC Batch: MP26831

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL: 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12143 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: LSI Environmental
Address: 214 S. Lewis
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@lsienvironmental.com
Phone#: 316 264 7050
Sampler(s) Name(s) (Printed): Brady Gerber / Shaft Hinds

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC's	SVOC's	Metals	Pesticides	Herbicides
1	Bld D NT 15A Int	01/31/14	1130	BG	WW	10		X	X		X					X	X	X	X	X
2	Bld D NT 15C Int	01/31/14	1150	BG	WW	10		X	X		X					X	X	X	X	X
3	Bld D NT 15D Int	01/31/14	1215	BG	WW	10		X	X		X					X	X	X	X	X
4	Bld D NT 14 Int	01/31/14	1240	BG	WW	10		X	X		X					X	X	X	X	X
5	Bld D NT 16 Int	01/31/14	1310	BG	WW	10		X	X		X					X	X	X	X	X
6	Bld D Rm 6A	01/31/14	1325	BG	WW	10		X	X		X					X	X	X	X	X
7	Bld D Rm 6B	01/31/14	1340	BG	WW	10		X	X		X					X	X	X	X	X
8	Dup 2	01/31/14		BG	WW	10		X	X		X					X	X	X	X	X
9	Trip Blank	01/31/14				3			X							X				

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day RUSH — 5-7 Day Rush
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber / LSI	01/31/14/1600	2 FX	3 FX	2-1-14	4 Conair (AASE) 09:45
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 9 Cooler Temperature (s) Celsius: 2.8 2.6 3.0 2.8 2.6 2.6 9.8 3.2 3.0 2.8

4.1 4

FA12143R: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 12143 CLIENT: ISI ENV. PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 2-1-14 0945 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 9

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8009 0573 4896

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.2 3.0 3.1 3.2 3.0 3.0 3.2 3.6 3.4
- [ ] CORRECTED TEMPS: 2.8 2.6 3.0 2.8 2.6 2.6 2.8 3.2 3.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

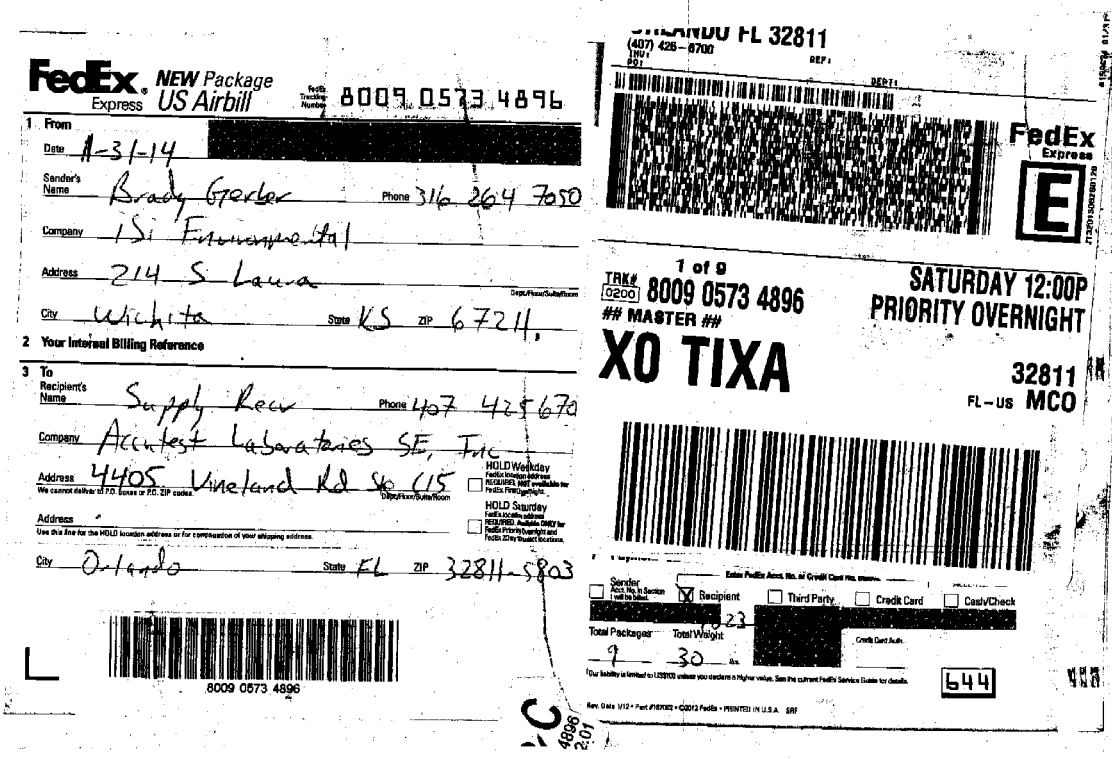
SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 2-1-14 REVIEWER SIGNATURE/DATE: 02/1/14

NF 12/10 receipt confirmation 122910.xls

4.1 4

FA12143R: Chain of Custody
Page 2 of 4



FedEx Express NEW Package US Airbill

FedEx Tracking Number 8009 0573 4896

1 From

Date 1-31-14 [redacted]

Sender's Name Brady Gerber Phone 316 264 7050

Company ISI Environmental

Address 214 S Laura

City Wichita State KS ZIP 67211

2 Your Internal Billing Reference

3 To

Recipient's Name Supply Recv Phone 407 425 670

Company Accutest Laboratories SE, Inc

Address 4405 Vineland Rd Ste C15

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Orlando State FL ZIP 32811-5803

HOLD Weekday

HOLD Saturday

8009 0573 4896

ORLANDO FL 32811

(407) 426-6700

FedEx Express

E

1 of 9

TRK# 0200 8009 0573 4896

MASTER

XO TIXA

SATURDAY 12:00P

PRIORITY OVERNIGHT

32811

FL-US MCO

Sender

Recipient

Third Party

Credit Card

Cash/Check

Total Packages 9

Total Weight 30 lbs.

644

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FA12143R: Chain of Custody

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Job Change Order: FA12143_2/12/2014

Requested Date:	2/12/2014	**Received Date:**	2/1/2014
Account Name:	ISI Environmental Services	**Due Date:**	2/10/2014
Project	Clean Harbors; KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	7

Sample #:
FA12143-4

BLD D NT 14 INT

Change: Client would like to have dissolved Chromium, Cobalt and Lead reported. Please use remaining unpreserved volume from organics, client is aware data will be qualified. Thank you.

Above Changes Per: client, Brady Gerber, via e-mail **Date:** 2/12/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

FA12143R: Chain of Custody
Page 4 of 4

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12143R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				02/18/14		02/18/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15				
Antimony	6.0	2	2.3				
Arsenic	10	2	2.4				
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5				
Calcium	1000	50	50				
Chromium	10	1	2	0.0	<10	0.20	<10
Cobalt	50	.5	.5	-0.20	<50	0.0	<50
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1.1	1.1	-1.0	<5.0	-0.70	<5.0
Magnesium	5000	50	56				
Manganese	15	.5	1				
Molybdenum	50	.5	.5				
Nickel	40	.5	.5				
Potassium	10000	200	200				
Selenium	10	2.3	2.3				
Silver	10	.65	.77				
Sodium	10000	500	500				
Strontium	10	.4	.4				
Thallium	10	1.5	2				
Tin	50	.7	1				
Titanium	10	.9	1				
Vanadium	50	.5	.5				
Zinc	20	3	3				

Associated samples MP26831: FA12143-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/18/14					02/18/14	
Metal	FA12473-1 Original	DUP	RPD	QC Limits	FA12473-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium									
Calcium	anr								
Chromium									
Cobalt	1.7	1.7	0.0	0-20	1.7	352	500	70.1N(a)	80-120
Copper	anr								
Iron	anr								
Lead	90.6	95.8	5.6	0-20	90.6	607	500	103.3	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

Associated samples MP26831: FA12143-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12143R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/18/14

Metal	FA12473-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium						
Calcium	anr					
Chromium						
Cobalt	1.7	351	500	69.9N(a)	0.3	20
Copper	anr					
Iron	anr					
Lead	90.6	603	500	102.5	0.7	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium	anr					
Thallium	anr					
Tin	anr					
Titanium	anr					
Vanadium	anr					
Zinc	anr					

Associated samples MP26831: FA12143-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12143R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	219	200	109.5	80-120
Cobalt	540	500	108.0	80-120
Copper	anr			
Iron	anr			
Lead	516	500	103.2	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP26831: FA12143-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12143R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	FA12473-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium				
Calcium	anr			
Chromium				
Cobalt	1.70	0.00	100.0(a)	0-10
Copper	anr			
Iron	anr			
Lead	90.6	92.9	2.5	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP26831: FA12143-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12143R
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita,KS

QC Batch ID: MP26831
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/14

Metal	Sample ml	Final ml	FA12473-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt	9.8	10	1.7	1.666	34.3	0.2	2.5	50	65.3*(a)	80-120
Copper										
Iron										
Lead	9.8	10	90.6	88.788	138.1	0.2	2.5	50	98.6	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP26831: FA12143-4FR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast
ACCUTEST
LABORATORIES

03/04/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita, KS

Accutest Job Number: FA12775

Sampling Date: 02/24/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienvironmental.com; ahealey@isienvironmental.com

ATTN: Brady Gerber

Total number of pages in report: **139**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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8.2: Prep QC MP26889: Hg 130
8.3: Prep QC MP26897: Hg 135

Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; Wichita, KS

Job No: FA12775

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12775-1	02/24/14	14:50	BGSK	02/26/14	AQ	Water	BLD D NT 9 INT
FA12775-2	02/24/14	15:35	BGSK	02/26/14	AQ	Water	BLD D NT 10 INT
FA12775-3	02/24/14	15:50	BGSK	02/26/14	AQ	Water	BLD D NT 12 INT
FA12775-4	02/24/14	16:10	BGSK	02/26/14	AQ	Water	BLD D NT 13 INT
FA12775-5	02/24/14	16:50	BGSK	02/26/14	AQ	Water	BLD D NT 11 INT
FA12775-6	02/24/14	17:25	BGSK	02/26/14	AQ	Water	BLD D NT 15B INT
FA12775-7	02/24/14	00:00	BGSK	02/26/14	AQ	Water	DUP 6
FA12775-8	02/24/14	00:00	BGSK	02/26/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA12775
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/24/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12775-1	**BLD D NT 9 INT**					
Bromodichloromethane		4.0	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.73 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		3.1	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		4.4	1.0	0.36	ug/l	SW846 8260B
Toluene		0.22 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		13.5 J	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		3.1 J	4.7	0.49	ug/l	SW846 8270D
Phenol		54.8	4.7	0.47	ug/l	SW846 8270D
alpha-Chlordane [a]		0.036 J	0.047	0.0047	ug/l	SW846 8081B
gamma-Chlordane [a]		0.016 J	0.047	0.0047	ug/l	SW846 8081B
Heptachlor [b]		0.58	0.047	0.0047	ug/l	SW846 8081B
2,4-D [b]		0.48 J	0.94	0.17	ug/l	SW846 8151A
Pentachlorophenol [a]		0.034 J	0.094	0.022	ug/l	SW846 8151A
Calcium		30900	1000		ug/l	SW846 6010C
Copper		112	25		ug/l	SW846 6010C
Iron		3860	300		ug/l	SW846 6010C
Lead		8.7	5.0		ug/l	SW846 6010C
Magnesium		14300	5000		ug/l	SW846 6010C
Manganese		54.3	15		ug/l	SW846 6010C
Sodium		88200	20000		ug/l	SW846 6010C
Strontium		204	10		ug/l	SW846 6010C
Zinc		146	20		ug/l	SW846 6010C
FA12775-2	**BLD D NT 10 INT**					
Bromodichloromethane		5.0	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.99 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		4.0	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		5.5	1.0	0.36	ug/l	SW846 8260B
Phenol		3.5 J	4.7	0.47	ug/l	SW846 8270D
alpha-Chlordane [a]		0.054	0.047	0.0047	ug/l	SW846 8081B
gamma-Chlordane [a]		0.016 J	0.047	0.0047	ug/l	SW846 8081B
Heptachlor [b]		0.59	0.047	0.0047	ug/l	SW846 8081B
2,4-D [b]		0.42 J	0.94	0.17	ug/l	SW846 8151A
Pentachlorophenol [b]		0.045 J	0.094	0.022	ug/l	SW846 8151A
Calcium		29900	1000		ug/l	SW846 6010C
Copper		27.5	25		ug/l	SW846 6010C
Iron		3820	300		ug/l	SW846 6010C
Lead		6.8	5.0		ug/l	SW846 6010C
Magnesium		14400	5000		ug/l	SW846 6010C
Manganese		50.8	15		ug/l	SW846 6010C
Sodium		91500	20000		ug/l	SW846 6010C
Strontium		206	10		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12775
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/24/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		91.8	20		ug/l	SW846 6010C
FA12775-3	**BLD D NT 12 INT**					
Bromodichloromethane		6.5	1.0	0.26	ug/l	SW846 8260B
Bromoform		1.1	1.0	0.38	ug/l	SW846 8260B
Chloroform		4.9	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		6.5	1.0	0.36	ug/l	SW846 8260B
2-Chlorophenol		2.0 J	4.7	0.49	ug/l	SW846 8270D
Phenol		21.1	4.7	0.47	ug/l	SW846 8270D
gamma-BHC (Lindane) [a]		0.059	0.047	0.0047	ug/l	SW846 8081B
alpha-Chlordane [a]		0.14	0.047	0.0047	ug/l	SW846 8081B
gamma-Chlordane [a]		0.0053 J	0.047	0.0047	ug/l	SW846 8081B
Calcium		30000	1000		ug/l	SW846 6010C
Copper		87.8	25		ug/l	SW846 6010C
Iron		6290	300		ug/l	SW846 6010C
Lead		74.7	5.0		ug/l	SW846 6010C
Magnesium		14700	5000		ug/l	SW846 6010C
Manganese		143	15		ug/l	SW846 6010C
Sodium		89000	20000		ug/l	SW846 6010C
Strontium		209	10		ug/l	SW846 6010C
Zinc		186	20		ug/l	SW846 6010C
FA12775-4	**BLD D NT 13 INT**					
Bromodichloromethane		6.4	1.0	0.26	ug/l	SW846 8260B
Bromoform		1.3	1.0	0.38	ug/l	SW846 8260B
Chloroform		5.0	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		6.5	1.0	0.36	ug/l	SW846 8260B
Phenol		0.62 J	4.7	0.47	ug/l	SW846 8270D
Calcium		29900	1000		ug/l	SW846 6010C
Copper		31.1	25		ug/l	SW846 6010C
Iron		1570	300		ug/l	SW846 6010C
Lead		24.9	5.0		ug/l	SW846 6010C
Magnesium		15000	5000		ug/l	SW846 6010C
Manganese		56.2	15		ug/l	SW846 6010C
Sodium		91000	20000		ug/l	SW846 6010C
Strontium		212	10		ug/l	SW846 6010C
Zinc		77.2	20		ug/l	SW846 6010C
FA12775-5	**BLD D NT 11 INT**					
Bromodichloromethane		6.3	1.0	0.26	ug/l	SW846 8260B
Bromoform		1.2	1.0	0.38	ug/l	SW846 8260B
Chloroform		4.7	1.0	0.31	ug/l	SW846 8260B

Summary of Hits

Job Number: FA12775
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/24/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Dibromochloromethane		6.7	1.0	0.36	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate		2.1 J	4.7	1.5	ug/l	SW846 8270D
gamma-BHC (Lindane) [b]		0.064	0.047	0.0047	ug/l	SW846 8081B
4,4'-DDD [b]		0.014 J	0.094	0.0094	ug/l	SW846 8081B
2,4-D [b]		0.43 J	0.94	0.17	ug/l	SW846 8151A
Calcium		30500	1000		ug/l	SW846 6010C
Copper		57.5	25		ug/l	SW846 6010C
Iron		6500	300		ug/l	SW846 6010C
Lead		76.3	5.0		ug/l	SW846 6010C
Magnesium		15200	5000		ug/l	SW846 6010C
Manganese		184	15		ug/l	SW846 6010C
Mercury		0.57	0.50		ug/l	SW846 7470A
Sodium		89700	20000		ug/l	SW846 6010C
Strontium		220	10		ug/l	SW846 6010C
Zinc		246	20		ug/l	SW846 6010C
FA12775-6	**BLD D NT 15B INT**					
Bromodichloromethane		7.1	1.0	0.26	ug/l	SW846 8260B
Bromoform		1.6	1.0	0.38	ug/l	SW846 8260B
Chloroform		5.2	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		6.5	1.0	0.36	ug/l	SW846 8260B
gamma-BHC (Lindane) [b]		0.022 J	0.047	0.0047	ug/l	SW846 8081B
2,4-D [b]		0.25 J	0.94	0.17	ug/l	SW846 8151A
Calcium		29800	1000		ug/l	SW846 6010C
Iron		1130	300		ug/l	SW846 6010C
Lead		17.6	5.0		ug/l	SW846 6010C
Magnesium		15200	5000		ug/l	SW846 6010C
Manganese		72.4	15		ug/l	SW846 6010C
Sodium		90200	20000		ug/l	SW846 6010C
Strontium		215	10		ug/l	SW846 6010C
Zinc		111	20		ug/l	SW846 6010C
FA12775-7	**DUP 6**					
Bromodichloromethane		4.2	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.72 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		3.3	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		4.1	1.0	0.36	ug/l	SW846 8260B
Toluene		0.22 J	1.0	0.20	ug/l	SW846 8260B
Benzoic Acid		18.0 J	47	9.4	ug/l	SW846 8270D
2-Chlorophenol		3.8 J	4.7	0.49	ug/l	SW846 8270D
Phenol		67.9	4.7	0.47	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		2.7 J	4.7	1.5	ug/l	SW846 8270D
alpha-Chlordane [a]		0.047	0.047	0.0047	ug/l	SW846 8081B

Summary of Hits

Job Number: FA12775
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/24/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
gamma-Chlordane [a]		0.031 J	0.047	0.0047	ug/l	SW846 8081B
Heptachlor [b]		0.63	0.047	0.0047	ug/l	SW846 8081B
2,4-D [b]		0.51 J	0.94	0.17	ug/l	SW846 8151A
Pentachlorophenol [a]		0.029 J	0.094	0.022	ug/l	SW846 8151A
Calcium		30600	1000		ug/l	SW846 6010C
Copper		70.9	25		ug/l	SW846 6010C
Iron		4120	300		ug/l	SW846 6010C
Lead		8.9	5.0		ug/l	SW846 6010C
Magnesium		14700	5000		ug/l	SW846 6010C
Manganese		52.7	15		ug/l	SW846 6010C
Sodium		88700	20000		ug/l	SW846 6010C
Strontium		209	10		ug/l	SW846 6010C
Zinc		125	20		ug/l	SW846 6010C

FA12775-8 TRIP BLANK

No hits reported in this sample.

(a) All hits confirmed by dual column analysis. Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.
(b) All hits confirmed by dual column analysis.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BLD D NT 9 INT
Lab Sample ID: FA12775-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72351.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	4.0	1.0	0.26	ug/l	
75-25-2	Bromoform	0.73	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	3.1	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	4.4	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 9 INT
Lab Sample ID: FA12775-1
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.22	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 9 INT		
Lab Sample ID:	FA12775-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 9 INT		
Lab Sample ID:	FA12775-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011746.D	1	02/28/14	FS	02/27/14	OP50635	ST557
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	13.5	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	3.1	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	54.8	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 9 INT
Lab Sample ID: FA12775-1
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 9 INT		
Lab Sample ID:	FA12775-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-67%
4165-62-2	Phenol-d5	25%		10-50%
118-79-6	2,4,6-Tribromophenol	93%		33-118%
4165-60-0	Nitrobenzene-d5	100%		42-108%
321-60-8	2-Fluorobiphenyl	88%		40-106%
1718-51-0	Terphenyl-d14	101%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 9 INT		
Lab Sample ID:	FA12775-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043521.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	0.48	0.94	0.17	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol [b]	0.034	0.094	0.022	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	109%		33-145%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 9 INT		
Lab Sample ID:	FA12775-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61943.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane [b]	0.036	0.047	0.0047	ug/l	J
5103-74-2	gamma-Chlordane [b]	0.016	0.047	0.0047	ug/l	J
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	0.58	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		42-127%
2051-24-3	Decachlorobiphenyl	77%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 9 INT		
Lab Sample ID:	FA12775-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124536.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		38-127%
2051-24-3	Decachlorobiphenyl	74%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 9 INT
Lab Sample ID: FA12775-1
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	30900	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	112	25	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	3860	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	8.7	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	14300	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	54.3	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/03/14	03/03/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	88200	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	204	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	146	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11427
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26889

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72352.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	5.0	1.0	0.26	ug/l	
75-25-2	Bromoform	0.99	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	4.0	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	5.5	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 10 INT
Lab Sample ID: FA12775-2
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011747.D	1	02/28/14	FS	02/27/14	OP50635	ST557
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	3.5	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 10 INT
Lab Sample ID: FA12775-2
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-67%
4165-62-2	Phenol-d5	22%		10-50%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	79%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	86%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043522.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	0.42	0.94	0.17	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol	0.045	0.094	0.022	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	113%		33-145%

(a) All hits confirmed by dual column analysis.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61946.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane [b]	0.054	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane [b]	0.016	0.047	0.0047	ug/l	J
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	0.59	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		42-127%
2051-24-3	Decachlorobiphenyl	63%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 10 INT		
Lab Sample ID:	FA12775-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124518.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		38-127%
2051-24-3	Decachlorobiphenyl	63%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 10 INT
Lab Sample ID: FA12775-2
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	29900	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	27.5	25	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	3820	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	6.8	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	14400	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	50.8	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/03/14	03/03/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	91500	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	206	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	91.8	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11427
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26889

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 12 INT		
Lab Sample ID:	FA12775-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72353.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	6.5	1.0	0.26	ug/l	
75-25-2	Bromoform	1.1	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	4.9	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	6.5	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 12 INT
Lab Sample ID: FA12775-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 12 INT		
Lab Sample ID:	FA12775-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 12 INT		
Lab Sample ID:	FA12775-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011748.D	1	02/28/14	FS	02/27/14	OP50635	ST557
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	2.0	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	21.1	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 12 INT
Lab Sample ID: FA12775-3
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 12 INT		
Lab Sample ID:	FA12775-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-67%
4165-62-2	Phenol-d5	24%		10-50%
118-79-6	2,4,6-Tribromophenol	85%		33-118%
4165-60-0	Nitrobenzene-d5	86%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	92%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 12 INT
Lab Sample ID: FA12775-3
Matrix: AQ - Water
Method: SW846 8151A SW846 8151A
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC043523.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.94	0.17	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol	ND	0.094	0.022	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	88%		33-145%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 12 INT		
Lab Sample ID:	FA12775-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61947.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane) [b]	0.059	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane [b]	0.14	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane [b]	0.0053	0.047	0.0047	ug/l	J
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		42-127%
2051-24-3	Decachlorobiphenyl	78%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 12 INT		
Lab Sample ID:	FA12775-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124537.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		38-127%
2051-24-3	Decachlorobiphenyl	79%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 12 INT
Lab Sample ID: FA12775-3
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	30000	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	87.8	25	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	6290	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	74.7	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	14700	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	143	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/03/14	03/03/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	89000	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	209	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	186	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11427
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26889

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 13 INT		
Lab Sample ID:	FA12775-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72354.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	6.4	1.0	0.26	ug/l	
75-25-2	Bromoform	1.3	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	5.0	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	6.5	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 13 INT
Lab Sample ID: FA12775-4
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 13 INT		
Lab Sample ID:	FA12775-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 13 INT		
Lab Sample ID:	FA12775-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T011749.D	1	02/28/14	FS	02/27/14	OP50635	ST557
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	0.62	4.7	0.47	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 13 INT
Lab Sample ID: FA12775-4
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 13 INT		
Lab Sample ID:	FA12775-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-67%
4165-62-2	Phenol-d5	23%		10-50%
118-79-6	2,4,6-Tribromophenol	84%		33-118%
4165-60-0	Nitrobenzene-d5	88%		42-108%
321-60-8	2-Fluorobiphenyl	81%		40-106%
1718-51-0	Terphenyl-d14	107%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 13 INT
Lab Sample ID: FA12775-4
Matrix: AQ - Water
Method: SW846 8151A SW846 8151A
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC043524.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.94	0.17	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol	ND	0.094	0.022	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	90%		33-145%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 13 INT		
Lab Sample ID:	FA12775-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK61948.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		42-127%
2051-24-3	Decachlorobiphenyl	78%		27-127%

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 13 INT		
Lab Sample ID:	FA12775-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124538.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		38-127%
2051-24-3	Decachlorobiphenyl	75%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 13 INT
Lab Sample ID: FA12775-4
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	29900	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	31.1	25	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Iron	1570	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	24.9	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	15000	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	56.2	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/03/14	03/03/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	91000	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	212	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	77.2	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11427
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26889

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72355.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	6.3	1.0	0.26	ug/l	
75-25-2	Bromoform	1.2	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	4.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	6.7	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 11 INT
Lab Sample ID: FA12775-5
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033509.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	ND	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 11 INT
Lab Sample ID: FA12775-5
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.1	4.7	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-67%
4165-62-2	Phenol-d5	20%		10-50%
118-79-6	2,4,6-Tribromophenol	74%		33-118%
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043525.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	0.43	0.94	0.17	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol	ND	0.094	0.022	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	89%		33-145%

(a) All hits confirmed by dual column analysis.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61949.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	0.064	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	0.014	0.094	0.0094	ug/l	J
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		42-127%
2051-24-3	Decachlorobiphenyl	82%		27-127%

(a) All hits confirmed by dual column analysis.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 11 INT		
Lab Sample ID:	FA12775-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124539.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		38-127%
2051-24-3	Decachlorobiphenyl	78%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 11 INT
Lab Sample ID: FA12775-5
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	30500	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	57.5	25	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Iron	6500	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	76.3	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	15200	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	184	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	0.57	0.50	ug/l	1	03/04/14	03/04/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	89700	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	220	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	246	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11430
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26897

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72356.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	7.1	1.0	0.26	ug/l	
75-25-2	Bromoform	1.6	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	5.2	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	6.5	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15B INT
Lab Sample ID: FA12775-6
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

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Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033539.D	1	03/03/14	FS	02/27/14	OP50635	SX1577
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	ND	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15B INT
Lab Sample ID: FA12775-6
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.7	1.5	ug/l	
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	11%		10-50%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	87%		39-121%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043526.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	0.25	0.94	0.17	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol	ND	0.094	0.022	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	99%		33-145%

(a) All hits confirmed by dual column analysis.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61950.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	0.022	0.047	0.0047	ug/l	J
5103-71-9	alpha-Chlordane	ND	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.047	0.0047	ug/l	
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		42-127%
2051-24-3	Decachlorobiphenyl	83%		27-127%

(a) All hits confirmed by dual column analysis.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D NT 15B INT		
Lab Sample ID:	FA12775-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124540.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		38-127%
2051-24-3	Decachlorobiphenyl	81%		25-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D NT 15B INT
Lab Sample ID: FA12775-6
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	29800	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	< 25	25	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Iron	1130	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	17.6	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	15200	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	72.4	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/04/14	03/04/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	90200	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	215	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	111	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11430
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26897

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP 6
Lab Sample ID: FA12775-7
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72357.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	4.2	1.0	0.26	ug/l	
75-25-2	Bromoform	0.72	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	3.3	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	4.1	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 6
Lab Sample ID: FA12775-7
Matrix: AQ - Water
Method: SW846 8260B
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.22	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 6		
Lab Sample ID:	FA12775-7	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 6		
Lab Sample ID:	FA12775-7	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X033511.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	18.0	47	9.4	ug/l	J
95-57-8	2-Chlorophenol	3.8	4.7	0.49	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.7	0.54	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.7	0.47	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.4	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.7	0.47	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
108-95-2	Phenol	67.9	4.7	0.47	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.7	0.92	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.7	0.52	ug/l	
83-32-9	Acenaphthene	ND	4.7	0.47	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
62-53-3	Aniline	ND	4.7	0.94	ug/l	
120-12-7	Anthracene	ND	4.7	0.58	ug/l	
92-87-5	Benzidine	ND	24	4.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	0.67	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	0.76	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	0.63	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.7	0.77	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	0.52	ug/l	
106-47-8	4-Chloroaniline	ND	4.7	0.47	ug/l	
86-74-8	Carbazole	ND	4.7	0.58	ug/l	
218-01-9	Chrysene	ND	4.7	0.68	ug/l	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 6
Lab Sample ID: FA12775-7
Matrix: AQ - Water
Method: SW846 8270D SW846 3510C
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.7	0.65	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.47	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.7	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.47	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.47	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.7	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	0.59	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.7	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.7	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.7	0.94	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	0.94	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	0.94	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.7	4.7	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.7	0.66	ug/l	
86-73-7	Fluorene	ND	4.7	0.47	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	0.62	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.7	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	0.94	ug/l	
67-72-1	Hexachloroethane	ND	4.7	0.47	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	0.59	ug/l	
78-59-1	Isophorone	ND	4.7	0.47	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	0.47	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	0.57	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	0.72	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	
98-95-3	Nitrobenzene	ND	4.7	0.47	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.7	0.94	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.7	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.7	0.50	ug/l	
85-01-8	Phenanthrene	ND	4.7	0.56	ug/l	
129-00-0	Pyrene	ND	4.7	0.77	ug/l	
110-86-1	Pyridine	ND	9.4	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 6		
Lab Sample ID:	FA12775-7	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		14-67%
4165-62-2	Phenol-d5	24%		10-50%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	93%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 6		
Lab Sample ID:	FA12775-7	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8151A SW846 8151A	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC043527.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	0.51	0.94	0.17	ug/l	J
93-72-1	2,4,5-TP (Silvex)	ND	0.094	0.028	ug/l	
93-76-5	2,4,5-T	ND	0.094	0.027	ug/l	
1918-00-9	Dicamba	ND	0.094	0.026	ug/l	
88-85-7	Dinoseb	ND	1.9	0.47	ug/l	
75-99-0	Dalapon	ND	2.4	0.94	ug/l	
120-36-5	Dichloroprop	ND	0.94	0.20	ug/l	
94-82-6	2,4-DB	ND	0.94	0.31	ug/l	
93-65-2	MCPP	ND	94	12	ug/l	
94-74-6	MCPA	ND	94	20	ug/l	
87-86-5	Pentachlorophenol [b]	0.029	0.094	0.022	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	111%		33-145%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 6		
Lab Sample ID:	FA12775-7	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	KK61953.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.047	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.047	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.047	0.0047	ug/l	
5103-71-9	alpha-Chlordane [b]	0.047	0.047	0.0047	ug/l	
5103-74-2	gamma-Chlordane [b]	0.031	0.047	0.0047	ug/l	J
60-57-1	Dieldrin	ND	0.047	0.0047	ug/l	
72-54-8	4,4'-DDD	ND	0.094	0.0094	ug/l	
72-55-9	4,4'-DDE	ND	0.094	0.0094	ug/l	
50-29-3	4,4'-DDT	ND	0.094	0.0094	ug/l	
72-20-8	Endrin	ND	0.094	0.0094	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.094	0.0094	ug/l	
7421-93-4	Endrin aldehyde	ND	0.094	0.0094	ug/l	
53494-70-5	Endrin ketone	ND	0.094	0.0094	ug/l	
959-98-8	Endosulfan-I	ND	0.047	0.0047	ug/l	
33213-65-9	Endosulfan-II	ND	0.047	0.0047	ug/l	
76-44-8	Heptachlor	0.63	0.047	0.0047	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.047	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.094	0.0094	ug/l	
8001-35-2	Toxaphene	ND	2.4	0.94	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		42-127%
2051-24-3	Decachlorobiphenyl	78%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP 6		
Lab Sample ID:	FA12775-7	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST124541.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	0.24	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	0.19	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		38-127%
2051-24-3	Decachlorobiphenyl	79%		25-137%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP 6
Lab Sample ID: FA12775-7
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 4.0	4.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Calcium	30600	1000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Copper	70.9	25	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Iron	4120	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	8.9	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Magnesium	14700	5000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	52.7	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/04/14	03/04/14	JL	SW846 7470A [2]	SW846 7470A [5]
Molybdenum	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Nickel	< 40	40	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	88700	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	209	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Tin	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	125	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11430
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26897

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12775-8	**Date Sampled:**	02/24/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72349.D	1	02/27/14	RB	n/a	n/a	VM3060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12775-8	**Date Sampled:**	02/24/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12775-8	**Date Sampled:**	02/24/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA 12775 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Grebe E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Grebe / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Container Information	VOC's	SVOC's	Herbicides	Pesticides	PCB's	Metals	Arsenic / Furans
1	Bld D NT 9 Int	2-24-14	1450	BG	WW	10		X	X	X	X	X	X	
2	Bld D NT 10 Int	2-24-14	1535	BG	WW	10		X	X	X	X	X	X	
3	Bld D NT 12 Int	2-24-14	1550	BG	WW	10		X	X	X	X	X	X	
4	Bld D NT 13 Int	2-24-14	1610	BG	WW	12		X	X	X	X	X	X	X
5	Bld D NT 11 Int	2-24-14	1650	BG	WW	12		X	X	X	X	X	X	X
6	Bld D NT 15B Int	2-24-14	1725	BG	WW	12		X	X	X	X	X	X	X
7	Dup 6	2-24-14		BG	WW	10		X	X	X	X	X	X	
8	Trip Blank					2		X						

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	2-25-14/0945	2 FX	3 FX	2-26-14	4 J. Cooper (MIA) 09:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 7 Cooler Temperature (s) Celsius: 2.6 2.8 3.2 3.0 2.6 3.0 2.8

4.1 4

FA12775: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12775 CLIENT: IST ENV. PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 2-26-14 09:30 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 7

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 7301

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.0 3.2 3.6 3.4 3.0 3.4 3.2
- [ ] CORRECTED TEMPS: 2.6 2.8 3.2 3.0 2.6 3.0 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [X] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

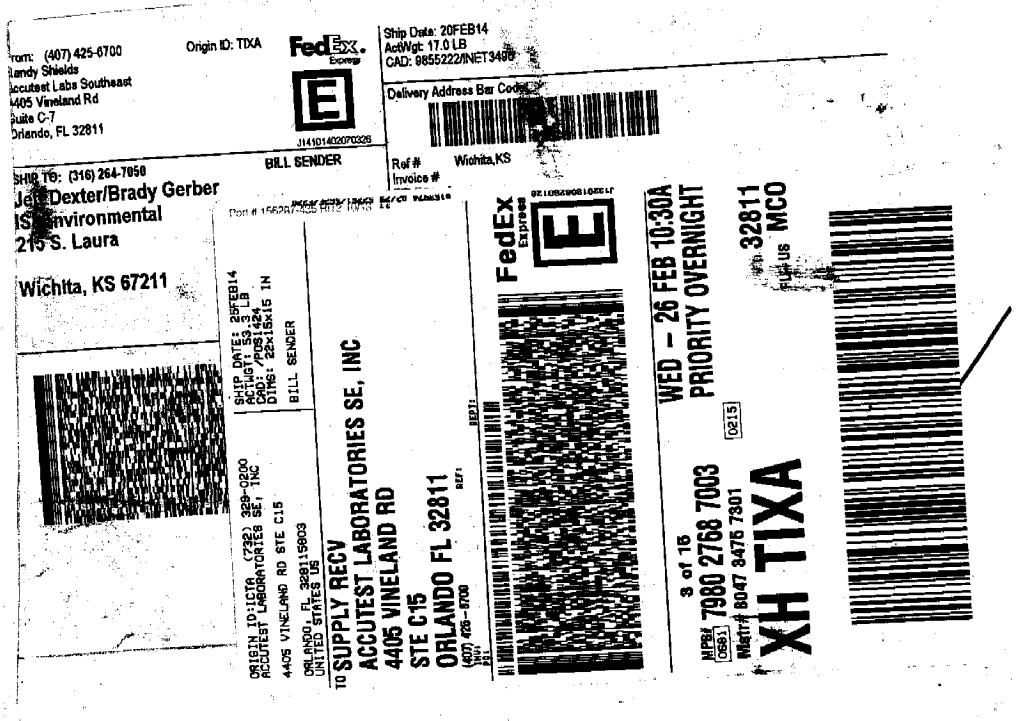
(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: RECEIVED 1AMBER (PESTICIDES) BROKEN FOR SAMPLE #7

TECHNICIAN SIGNATURE/DATE [signature] 2-26-14 REVIEWER SIGNATURE/DATE [signature] 02/26/14

NF 12/10

receipt confirmation 122910.xls



FA12775: Chain of Custody
Page 3 of 4

FA12775: Chain of Custody
Page 4 of 4

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3060-MB	M72348.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3060-MB	M72348.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3060-MB	M72348.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3060-BS	M72346.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	113	90	50-147
107-02-8	Acrolein	125	116	93	31-154
107-13-1	Acrylonitrile	125	121	97	58-126
71-43-2	Benzene	25	24.5	98	81-122
108-86-1	Bromobenzene	25	25.2	101	80-121
74-97-5	Bromochloromethane	25	25.4	102	76-123
75-27-4	Bromodichloromethane	25	23.4	94	79-123
75-25-2	Bromoform	25	22.4	90	66-123
104-51-8	n-Butylbenzene	25	25.1	100	79-126
135-98-8	sec-Butylbenzene	25	29.4	118	83-133
98-06-6	tert-Butylbenzene	25	27.2	109	80-133
108-90-7	Chlorobenzene	25	25.5	102	82-124
75-00-3	Chloroethane	25	23.8	95	62-144
67-66-3	Chloroform	25	23.4	94	80-124
95-49-8	o-Chlorotoluene	25	26.9	108	81-127
106-43-4	p-Chlorotoluene	25	27.3	109	83-130
110-75-8	2-Chloroethyl vinyl ether	125	122	98	56-122
75-15-0	Carbon disulfide	25	23.4	94	66-148
56-23-5	Carbon tetrachloride	25	23.9	96	76-136
75-34-3	1,1-Dichloroethane	25	23.9	96	81-122
75-35-4	1,1-Dichloroethylene	25	23.5	94	78-137
563-58-6	1,1-Dichloropropene	25	27.4	110	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.0	92	64-123
106-93-4	1,2-Dibromoethane	25	24.2	97	75-120
107-06-2	1,2-Dichloroethane	25	22.5	90	75-125
78-87-5	1,2-Dichloropropane	25	23.6	94	76-124
142-28-9	1,3-Dichloropropane	25	23.7	95	80-118
594-20-7	2,2-Dichloropropane	25	26.9	108	74-139
124-48-1	Dibromochloromethane	25	23.4	94	78-122
75-71-8	Dichlorodifluoromethane	25	26.4	106	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	78-120
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	75-118
541-73-1	m-Dichlorobenzene	25	26.4	106	84-125
95-50-1	o-Dichlorobenzene	25	26.6	106	82-124
106-46-7	p-Dichlorobenzene	25	25.4	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	24.3	97	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3060-BS	M72346.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	24.2	97	80-120
100-41-4	Ethylbenzene	25	24.3	97	81-121
591-78-6	2-Hexanone	125	91.6	73	61-129
87-68-3	Hexachlorobutadiene	25	25.6	102	75-142
98-82-8	Isopropylbenzene	25	27.4	110	83-132
99-87-6	p-Isopropyltoluene	25	27.1	108	79-130
108-10-1	4-Methyl-2-pentanone	125	92.2	74	66-122
74-83-9	Methyl bromide	25	23.0	92	59-143
74-87-3	Methyl chloride	25	25.7	103	50-159
74-95-3	Methylene bromide	25	22.7	91	78-119
75-09-2	Methylene chloride	25	25.5	102	69-135
78-93-3	Methyl ethyl ketone	125	95.8	77	56-143
1634-04-4	Methyl Tert Butyl Ether	25	23.4	94	72-117
91-20-3	Naphthalene	25	21.8	87	63-132
103-65-1	n-Propylbenzene	25	28.5	114	82-133
100-42-5	Styrene	25	24.6	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.4	94	77-122
71-55-6	1,1,1-Trichloroethane	25	24.1	96	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.3	93	72-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	76-119
87-61-6	1,2,3-Trichlorobenzene	25	22.5	90	68-131
96-18-4	1,2,3-Trichloropropane	25	24.0	96	77-120
120-82-1	1,2,4-Trichlorobenzene	25	23.0	92	73-129
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.5	102	79-120
127-18-4	Tetrachloroethylene	25	25.1	100	76-135
108-88-3	Toluene	25	24.3	97	80-120
79-01-6	Trichloroethylene	25	23.7	95	81-126
75-69-4	Trichlorofluoromethane	25	26.8	107	71-156
75-01-4	Vinyl chloride	25	25.8	103	69-159
108-05-4	Vinyl Acetate	125	122	98	43-154
	m,p-Xylene	50	52.8	106	79-126
95-47-6	o-Xylene	25	26.2	105	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3060-BS	M72346.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	103%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12775-1MS	M72363.D	1	02/27/14	RB	n/a	n/a	VM3060
FA12775-1MSD	M72364.D	1	02/27/14	RB	n/a	n/a	VM3060
FA12775-1	M72351.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Compound	FA12775-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	106	85	108	86	2	50-147/21
107-02-8	Acrolein	ND		125	110	88	113	90	3	31-154/29
107-13-1	Acrylonitrile	ND		125	110	88	108	86	2	58-126/16
71-43-2	Benzene	ND		25	24.7	99	23.0	92	7	81-122/14
108-86-1	Bromobenzene	ND		25	25.1	100	24.0	96	4	80-121/14
74-97-5	Bromochloromethane	ND		25	26.1	104	24.3	97	7	76-123/14
75-27-4	Bromodichloromethane	4.0		25	24.8	83	23.8	79	4	79-123/19
75-25-2	Bromoform	0.73	J	25	21.3	82	21.6	83	1	66-123/21
104-51-8	n-Butylbenzene	ND		25	24.5	98	22.5	90	9	79-126/16
135-98-8	sec-Butylbenzene	ND		25	29.2	117	26.0	104	12	83-133/16
98-06-6	tert-Butylbenzene	ND		25	29.0	116	26.0	104	11	80-133/16
108-90-7	Chlorobenzene	ND		25	25.6	102	25.3	101	1	82-124/14
75-00-3	Chloroethane	ND		25	24.1	96	22.1	88	9	62-144/20
67-66-3	Chloroform	3.1		25	26.2	92	23.5	82	11	80-124/15
95-49-8	o-Chlorotoluene	ND		25	28.3	113	25.4	102	11	81-127/15
106-43-4	p-Chlorotoluene	ND		25	27.8	111	26.0	104	7	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	2.1	2*	ND	0*	200*	56-122/23
75-15-0	Carbon disulfide	ND		25	17.5	70	18.1	72	3	66-148/23
56-23-5	Carbon tetrachloride	ND		25	27.9	112	24.7	99	12	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	25.1	100	22.9	92	9	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	27.2	109	26.4	106	3	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	27.9	112	26.4	106	6	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	21.8	87	21.8	87	0	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	23.9	96	23.4	94	2	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	25.4	102	24.3	97	4	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	22.5	90	7	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	23.7	95	23.6	94	0	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	28.8	115	25.4	102	13	74-139/17
124-48-1	Dibromochloromethane	4.4		25	23.0	74*	22.7	73*	1	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	28.2	113	25.2	101	11	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.0	100	24.4	98	2	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.8	91	19.8	79	14	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	27.0	108	25.5	102	6	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	27.1	108	25.7	103	5	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	25.5	102	24.8	99	3	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.5	102	23.5	94	8	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12775-1MS	M72363.D	1	02/27/14	RB	n/a	n/a	VM3060
FA12775-1MSD	M72364.D	1	02/27/14	RB	n/a	n/a	VM3060
FA12775-1	M72351.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Compound	FA12775-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.2	97	22.7	91	6	80-120/22
100-41-4	Ethylbenzene	ND		25	25.1	100	23.3	93	7	81-121/14
591-78-6	2-Hexanone	ND		125	92.1	74	94.9	76	3	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	25.2	101	23.1	92	9	75-142/19
98-82-8	Isopropylbenzene	ND		25	27.4	110	25.4	102	8	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	27.0	108	24.6	98	9	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	97.3	78	99.3	79	2	66-122/16
74-83-9	Methyl bromide	ND		25	24.4	98	22.5	90	8	59-143/19
74-87-3	Methyl chloride	ND		25	26.1	104	23.8	95	9	50-159/19
74-95-3	Methylene bromide	ND		25	23.8	95	23.3	93	2	78-119/14
75-09-2	Methylene chloride	ND		25	28.8	115	25.3	101	13	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	93.6	75	93.9	75	0	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.6	94	22.6	90	4	72-117/14
91-20-3	Naphthalene	ND		25	20.1	80	20.5	82	2	63-132/25
103-65-1	n-Propylbenzene	ND		25	28.8	115	26.6	106	8	82-133/15
100-42-5	Styrene	ND		25	21.6	86	20.4	82	6	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.6	102	24.6	98	4	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	27.4	110	24.3	97	12	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.4	94	22.2	89	5	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	23.5	94	22.7	91	3	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	22.3	89	20.2	81	10	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	25.1	100	24.6	98	2	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	21.8	87	20.3	81	7	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.2	101	23.9	96	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	25.2	101	22.9	92	10	79-120/19
127-18-4	Tetrachloroethylene	ND		25	25.5	102	23.5	94	8	76-135/16
108-88-3	Toluene	0.22	J	25	23.8	94	22.6	90	5	80-120/14
79-01-6	Trichloroethylene	ND		25	25.0	100	22.5	90	11	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	33.0	132	29.0	116	13	71-156/21
75-01-4	Vinyl chloride	ND		25	25.6	102	23.3	93	9	69-159/18
108-05-4	Vinyl Acetate	ND		125	122	98	118	94	3	43-154/14
	m,p-Xylene	ND		50	54.5	109	49.9	100	9	79-126/15
95-47-6	o-Xylene	ND		25	26.3	105	24.8	99	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12775-1MS	M72363.D	1	02/27/14	RB	n/a	n/a	VM3060
FA12775-1MSD	M72364.D	1	02/27/14	RB	n/a	n/a	VM3060
FA12775-1	M72351.D	1	02/27/14	RB	n/a	n/a	VM3060

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7, FA12775-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12775-1	Limits
1868-53-7	Dibromofluoromethane	102%	98%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	100%	96%	79-125%
2037-26-5	Toluene-D8	95%	97%	99%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	100%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MB	T011737.D	1	02/27/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MB	T011737.D	1	02/27/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MB	T011737.D	1	02/27/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	43%	14-67%
4165-62-2	Phenol-d5	29%	10-50%
118-79-6	2,4,6-Tribromophenol	71%	33-118%
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	70%	40-106%
1718-51-0	Terphenyl-d14	106%	39-121%

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MB	X033504.D	1	02/28/14	FS	02/27/14	OP50635	SX1576

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.52	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.58	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.50	ug/l	
	3&4-Methylphenol	ND	5.0	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.60	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.55	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.50	ug/l	
62-53-3	Aniline	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	0.62	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.64	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.65	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.72	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.81	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.67	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.81	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.50	ug/l	
86-74-8	Carbazole	ND	5.0	0.62	ug/l	
218-01-9	Chrysene	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.55	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.58	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.54	ug/l	

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MB	X033504.D	1	02/28/14	FS	02/27/14	OP50635	SX1576

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.68	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.90	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.81	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.70	ug/l	
86-73-7	Fluorene	ND	5.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.66	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.63	ug/l	
78-59-1	Isophorone	ND	5.0	0.50	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.61	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.76	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.50	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.53	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.82	ug/l	
110-86-1	Pyridine	ND	10	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MB	X033504.D	1	02/28/14	FS	02/27/14	OP50635	SX1576

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	43%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	62%	42-108%
321-60-8	2-Fluorobiphenyl	70%	40-106%
1718-51-0	Terphenyl-d14	97%	39-121%

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-BS	T011736.D	1	02/27/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	12.7	13	10-69
95-57-8	2-Chlorophenol	50	37.1	74	52-98
59-50-7	4-Chloro-3-methyl phenol	50	38.6	77	54-103
120-83-2	2,4-Dichlorophenol	50	39.4	79	53-103
105-67-9	2,4-Dimethylphenol	50	39.7	79	43-90
51-28-5	2,4-Dinitrophenol	100	85.4	85	44-112
534-52-1	4,6-Dinitro-o-cresol	100	87.0	87	66-121
95-48-7	2-Methylphenol	50	32.9	66	43-90
	3&4-Methylphenol	100	59.3	59	36-88
88-75-5	2-Nitrophenol	50	42.1	84	53-102
100-02-7	4-Nitrophenol	100	32.2	32	18-62
87-86-5	Pentachlorophenol	100	98.6	99	61-115
108-95-2	Phenol	50	17.2	34	19-56
95-95-4	2,4,5-Trichlorophenol	50	39.9	80	62-109
88-06-2	2,4,6-Trichlorophenol	50	40.6	81	59-107
83-32-9	Acenaphthene	50	42.8	86	61-107
208-96-8	Acenaphthylene	50	42.4	85	60-104
62-53-3	Aniline	50	37.7	75	47-100
120-12-7	Anthracene	50	41.2	82	65-108
92-87-5	Benzidine	50	28.7	57	25-99
56-55-3	Benzo(a)anthracene	50	44.0	88	66-111
50-32-8	Benzo(a)pyrene	50	42.0	84	62-107
205-99-2	Benzo(b)fluoranthene	50	43.1	86	65-114
191-24-2	Benzo(g,h,i)perylene	50	43.2	86	66-116
207-08-9	Benzo(k)fluoranthene	50	43.2	86	65-114
101-55-3	4-Bromophenyl phenyl ether	50	36.1	72	65-109
85-68-7	Butyl benzyl phthalate	50	39.2	78	65-112
100-51-6	Benzyl Alcohol	50	34.9	70	46-94
91-58-7	2-Chloronaphthalene	50	39.6	79	57-103
106-47-8	4-Chloroaniline	50	41.7	83	49-105
86-74-8	Carbazole	50	41.7	83	59-113
218-01-9	Chrysene	50	42.0	84	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	40.4	81	51-102
111-44-4	bis(2-Chloroethyl)ether	50	38.0	76	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	39.8	80	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	38.9	78	62-105

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-BS	T011736.D	1	02/27/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	35.8	72	48-97
122-66-7	1,2-Diphenylhydrazine	50	40.7	81	61-110
541-73-1	1,3-Dichlorobenzene	50	36.1	72	45-95
106-46-7	1,4-Dichlorobenzene	50	38.3	77	45-98
121-14-2	2,4-Dinitrotoluene	50	40.6	81	61-110
606-20-2	2,6-Dinitrotoluene	50	40.1	80	63-108
91-94-1	3,3'-Dichlorobenzidine	50	44.9	90	46-117
53-70-3	Dibenzo(a,h)anthracene	50	42.9	86	66-119
132-64-9	Dibenzofuran	50	41.0	82	61-106
84-74-2	Di-n-butyl phthalate	50	37.2	74	65-107
117-84-0	Di-n-octyl phthalate	50	39.2	78	62-118
84-66-2	Diethyl phthalate	50	36.8	74	64-108
131-11-3	Dimethyl phthalate	50	36.3	73	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	39.4	79	61-117
206-44-0	Fluoranthene	50	41.0	82	63-106
86-73-7	Fluorene	50	42.8	86	62-108
118-74-1	Hexachlorobenzene	50	40.8	82	63-108
87-68-3	Hexachlorobutadiene	50	41.4	83	42-102
77-47-4	Hexachlorocyclopentadiene	50	31.5	63	39-102
67-72-1	Hexachloroethane	50	37.6	75	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	37.0	74	64-119
78-59-1	Isophorone	50	40.8	82	43-87
90-12-0	1-Methylnaphthalene	50	45.2	90	53-102
91-57-6	2-Methylnaphthalene	50	41.7	83	51-102
88-74-4	2-Nitroaniline	50	53.2	106	54-128
99-09-2	3-Nitroaniline	50	42.3	85	56-106
100-01-6	4-Nitroaniline	50	40.1	80	55-120
91-20-3	Naphthalene	50	41.1	82	47-100
98-95-3	Nitrobenzene	50	39.7	79	50-104
62-75-9	N-Nitrosodimethylamine	50	25.3	51	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	43.1	86	52-104
86-30-6	N-Nitrosodiphenylamine	50	44.8	90	64-108
85-01-8	Phenanthrene	50	43.4	87	66-110
129-00-0	Pyrene	50	41.6	83	64-113
110-86-1	Pyridine	50	19.8	40	23-74
120-82-1	1,2,4-Trichlorobenzene	50	38.1	76	45-97

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-BS	T011736.D	1	02/27/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	47%	14-67%
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	82%	42-108%
321-60-8	2-Fluorobiphenyl	83%	40-106%
1718-51-0	Terphenyl-d14	99%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-BS	X033503.D	1	02/28/14	FS	02/27/14	OP50635	SX1576

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	15.2	15	10-69
95-57-8	2-Chlorophenol	50	36.9	74	52-98
59-50-7	4-Chloro-3-methyl phenol	50	37.7	75	54-103
120-83-2	2,4-Dichlorophenol	50	38.2	76	53-103
105-67-9	2,4-Dimethylphenol	50	37.0	74	43-90
51-28-5	2,4-Dinitrophenol	100	87.4	87	44-112
534-52-1	4,6-Dinitro-o-cresol	100	90.5	91	66-121
95-48-7	2-Methylphenol	50	30.8	62	43-90
	3&4-Methylphenol	100	58.3	58	36-88
88-75-5	2-Nitrophenol	50	41.0	82	53-102
100-02-7	4-Nitrophenol	100	29.5	30	18-62
87-86-5	Pentachlorophenol	100	93.7	94	61-115
108-95-2	Phenol	50	16.7	33	19-56
95-95-4	2,4,5-Trichlorophenol	50	37.5	75	62-109
88-06-2	2,4,6-Trichlorophenol	50	42.1	84	59-107
83-32-9	Acenaphthene	50	41.5	83	61-107
208-96-8	Acenaphthylene	50	41.7	83	60-104
62-53-3	Aniline	50	36.0	72	47-100
120-12-7	Anthracene	50	41.1	82	65-108
92-87-5	Benzidine	50	27.9	56	25-99
56-55-3	Benzo(a)anthracene	50	41.3	83	66-111
50-32-8	Benzo(a)pyrene	50	41.2	82	62-107
205-99-2	Benzo(b)fluoranthene	50	40.8	82	65-114
191-24-2	Benzo(g,h,i)perylene	50	45.2	90	66-116
207-08-9	Benzo(k)fluoranthene	50	43.5	87	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.1	68	65-109
85-68-7	Butyl benzyl phthalate	50	39.7	79	65-112
100-51-6	Benzyl Alcohol	50	34.9	70	46-94
91-58-7	2-Chloronaphthalene	50	39.1	78	57-103
106-47-8	4-Chloroaniline	50	34.9	70	49-105
86-74-8	Carbazole	50	42.0	84	59-113
218-01-9	Chrysene	50	43.1	86	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	37.2	74	51-102
111-44-4	bis(2-Chloroethyl)ether	50	33.4	67	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	30.6	61	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	39.1	78	62-105

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-BS	X033503.D	1	02/28/14	FS	02/27/14	OP50635	SX1576

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	36.2	72	48-97
122-66-7	1,2-Diphenylhydrazine	50	35.9	72	61-110
541-73-1	1,3-Dichlorobenzene	50	35.9	72	45-95
106-46-7	1,4-Dichlorobenzene	50	38.1	76	45-98
121-14-2	2,4-Dinitrotoluene	50	41.5	83	61-110
606-20-2	2,6-Dinitrotoluene	50	41.0	82	63-108
91-94-1	3,3'-Dichlorobenzidine	50	44.1	88	46-117
53-70-3	Dibenzo(a,h)anthracene	50	40.6	81	66-119
132-64-9	Dibenzofuran	50	41.0	82	61-106
84-74-2	Di-n-butyl phthalate	50	37.1	74	65-107
117-84-0	Di-n-octyl phthalate	50	35.6	71	62-118
84-66-2	Diethyl phthalate	50	36.6	73	64-108
131-11-3	Dimethyl phthalate	50	36.3	73	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	40.0	80	61-117
206-44-0	Fluoranthene	50	41.4	83	63-106
86-73-7	Fluorene	50	42.3	85	62-108
118-74-1	Hexachlorobenzene	50	41.4	83	63-108
87-68-3	Hexachlorobutadiene	50	40.2	80	42-102
77-47-4	Hexachlorocyclopentadiene	50	25.4	51	39-102
67-72-1	Hexachloroethane	50	35.4	71	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	38.3	77	64-119
78-59-1	Isophorone	50	35.9	72	43-87
90-12-0	1-Methylnaphthalene	50	43.5	87	53-102
91-57-6	2-Methylnaphthalene	50	40.1	80	51-102
88-74-4	2-Nitroaniline	50	38.2	76	54-128
99-09-2	3-Nitroaniline	50	41.5	83	56-106
100-01-6	4-Nitroaniline	50	39.8	80	55-120
91-20-3	Naphthalene	50	41.5	83	47-100
98-95-3	Nitrobenzene	50	34.0	68	50-104
62-75-9	N-Nitrosodimethylamine	50	22.5	45	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	37.6	75	52-104
86-30-6	N-Nitrosodiphenylamine	50	42.2	84	64-108
85-01-8	Phenanthrene	50	41.9	84	66-110
129-00-0	Pyrene	50	40.1	80	64-113
110-86-1	Pyridine	50	18.7	37	23-74
120-82-1	1,2,4-Trichlorobenzene	50	33.3	67	45-97

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-BS	X033503.D	1	02/28/14	FS	02/27/14	OP50635	SX1576

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	46%	14-67%
4165-62-2	Phenol-d5	30%	10-50%
118-79-6	2,4,6-Tribromophenol	90%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	96%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MS	X033507.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
OP50635-MSD	X033508.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
FA12775-4	T011749.D	1	02/28/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	FA12775-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	45.7	24	61.4	32	29	10-69/39
95-57-8	2-Chlorophenol	ND		96.2	62.9	65	74.1	77	16	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	66.3	69	76.9	80	15	54-103/23
120-83-2	2,4-Dichlorophenol	ND		96.2	62.7	65	75.6	79	19	53-103/26
105-67-9	2,4-Dimethylphenol	ND		96.2	40.7	42*	55.2	57	30*	43-90/27
51-28-5	2,4-Dinitrophenol	ND		192	151	79	179	93	17	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		192	151	79	177	92	16	66-121/23
95-48-7	2-Methylphenol	ND		96.2	54.8	57	66.9	70	20	43-90/28
	3&4-Methylphenol	ND		192	103	54	130	68	23	36-88/28
88-75-5	2-Nitrophenol	ND		96.2	66.0	69	79.3	82	18	53-102/29
100-02-7	4-Nitrophenol	ND		192	63.2	33	89.9	47	35*	18-62/33
87-86-5	Pentachlorophenol	ND		192	145	75	175	91	19	61-115/26
108-95-2	Phenol	0.62	J	96.2	35.3	36	46.3	48	27	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		96.2	61.9	64	75.1	78	19	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		96.2	68.7	71	83.6	87	20	59-107/23
83-32-9	Acenaphthene	ND		96.2	69.1	72	80.8	84	16	61-107/22
208-96-8	Acenaphthylene	ND		96.2	64.9	67	77.8	81	18	60-104/22
62-53-3	Aniline	ND		96.2	22.1	23*	29.4	31*	28	47-100/30
120-12-7	Anthracene	ND		96.2	67.1	70	78.9	82	16	65-108/20
56-55-3	Benzo(a)anthracene	ND		96.2	69.3	72	80.6	84	15	66-111/22
50-32-8	Benzo(a)pyrene	ND		96.2	62.6	65	74.2	77	17	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		96.2	70.2	73	82.4	86	16	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		96.2	76.5	80	90.1	94	16	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		96.2	73.3	76	85.0	88	15	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	57.5	60*	67.6	70	16	65-109/23
85-68-7	Butyl benzyl phthalate	ND		96.2	67.1	70	76.5	80	13	65-112/24
100-51-6	Benzyl Alcohol	ND		96.2	66.2	69	77.4	80	16	46-94/27
91-58-7	2-Chloronaphthalene	ND		96.2	63.4	66	76.1	79	18	57-103/23
106-47-8	4-Chloroaniline	ND		96.2	61.4	64	73.6	77	18	49-105/27
86-74-8	Carbazole	ND		96.2	68.8	72	79.6	83	15	59-113/21
218-01-9	Chrysene	ND		96.2	73.4	76	86.0	89	16	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	61.6	64	73.5	76	18	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	56.8	59	66.8	69	16	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	53.6	56	61.1	64	13	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	64.4	67	78.0	81	19	62-105/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	58.0	60	69.7	72	18	48-97/24

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MS	X033507.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
OP50635-MSD	X033508.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
FA12775-4	T011749.D	1	02/28/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	FA12775-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
122-66-7	1,2-Diphenylhydrazine	ND		96.2	61.4	64	70.9	74	14	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		96.2	59.8	62	69.1	72	14	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		96.2	61.2	64	71.8	75	16	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		96.2	69.5	72	80.1	83	14	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		96.2	67.8	71	80.9	84	18	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	60.7	63	76.5	80	23	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	68.8	72	81.7	85	17	66-119/24
132-64-9	Dibenzofuran	ND		96.2	68.9	72	79.9	83	15	61-106/21
84-74-2	Di-n-butyl phthalate	ND		96.2	61.6	64*	73.0	76	17	65-107/21
117-84-0	Di-n-octyl phthalate	ND		96.2	61.0	63	71.3	74	16	62-118/24
84-66-2	Diethyl phthalate	ND		96.2	61.2	64	72.8	76	17	64-108/21
131-11-3	Dimethyl phthalate	ND		96.2	61.8	64	72.0	75	15	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	67.8	71	79.5	83	16	61-117/23
206-44-0	Fluoranthene	ND		96.2	68.3	71	81.2	84	17	63-106/21
86-73-7	Fluorene	ND		96.2	71.0	74	83.0	86	16	62-108/20
118-74-1	Hexachlorobenzene	ND		96.2	69.4	72	80.5	84	15	63-108/22
87-68-3	Hexachlorobutadiene	ND		96.2	63.2	66	76.8	80	19	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		96.2	44.1	46	56.4	59	24	39-102/29
67-72-1	Hexachloroethane	ND		96.2	57.5	60	68.4	71	17	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	64.9	67	76.7	80	17	64-119/24
78-59-1	Isophorone	ND		96.2	62.0	64	71.5	74	14	43-87/25
90-12-0	1-Methylnaphthalene	ND		96.2	71.9	75	84.2	88	16	53-102/27
91-57-6	2-Methylnaphthalene	ND		96.2	67.5	70	77.8	81	14	51-102/26
88-74-4	2-Nitroaniline	ND		96.2	68.3	71	78.8	82	14	54-128/24
99-09-2	3-Nitroaniline	ND		96.2	68.0	71	80.7	84	17	56-106/27
100-01-6	4-Nitroaniline	ND		96.2	64.1	67	74.6	78	15	55-120/24
91-20-3	Naphthalene	ND		96.2	67.2	70	79.3	82	17	47-100/29
98-95-3	Nitrobenzene	ND		96.2	57.0	59	66.0	69	15	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		96.2	49.2	51	57.6	60	16	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	65.7	68	75.3	78	14	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		96.2	57.9	60*	68.5	71	17	64-108/23
85-01-8	Phenanthrene	ND		96.2	70.6	73	82.9	86	16	66-110/21
129-00-0	Pyrene	ND		96.2	67.8	71	79.0	82	15	64-113/23
110-86-1	Pyridine	ND		96.2	38.4	40	54.8	57	35*	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	51.9	54	63.6	66	20	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50635-MS	X033507.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
OP50635-MSD	X033508.D	1	02/28/14	FS	02/27/14	OP50635	SX1576
FA12775-4	T011749.D	1	02/28/14	FS	02/27/14	OP50635	ST557

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Surrogate Recoveries	MS	MSD	FA12775-4	Limits
367-12-4	2-Fluorophenol	49%	61%	37%	14-67%
4165-62-2	Phenol-d5	36%	47%	23%	10-50%
118-79-6	2,4,6-Tribromophenol	77%	91%	84%	33-118%
4165-60-0	Nitrobenzene-d5	64%	74%	88%	42-108%
321-60-8	2-Fluorobiphenyl	70%	83%	81%	40-106%
1718-51-0	Terphenyl-d14	87%	99%	107%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50629-MB	CC043520.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	1.0	0.18	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.030	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.029	ug/l	
1918-00-9	Dicamba	ND	0.10	0.027	ug/l	
88-85-7	Dinoseb	ND	2.0	0.50	ug/l	
75-99-0	Dalapon	ND	2.5	1.0	ug/l	
120-36-5	Dichloroprop	ND	1.0	0.21	ug/l	
94-82-6	2,4-DB	ND	1.0	0.33	ug/l	
93-65-2	MCPP	ND	100	13	ug/l	
94-74-6	MCPA	ND	100	21	ug/l	
87-86-5	Pentachlorophenol	ND	0.10	0.023	ug/l	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	88%	33-145%

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50627-MB	KK61942.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.0050	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.0050	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.050	0.0050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.010	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.010	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.010	ug/l	
72-20-8	Endrin	ND	0.10	0.010	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.010	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.010	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.0050	ug/l	
33213-65-9	Endosulfan-II	ND	0.050	0.0050	ug/l	
76-44-8	Heptachlor	ND	0.050	0.0050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.010	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	122%	42-127%
2051-24-3	Decachlorobiphenyl	118%	27-127%

Method Blank Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50628-MB	ST124514.D	1	02/27/14	MV	02/26/14	OP50628	GST2958

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.20	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.20	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.20	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	99%	38-127%
2051-24-3	Decachlorobiphenyl	93%	25-137%

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50629-BS	CC043519.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	5	5.3	106	69-138
93-72-1	2,4,5-TP (Silvex)	0.5	0.56	112	76-142
93-76-5	2,4,5-T	0.5	0.57	114	75-149
1918-00-9	Dicamba	0.5	0.64	128	51-150
88-85-7	Dinoseb	2.5	1.1	44	10-122
75-99-0	Dalapon	12.5	9.1	73	19-132
120-36-5	Dichloroprop	5	6.4	128	76-160
94-82-6	2,4-DB	5	5.0	100	65-145
93-65-2	MCPP	500	489	98	66-131
94-74-6	MCPA	500	563	113	64-137
87-86-5	Pentachlorophenol	0.5	0.50	100	67-137

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	58%	33-145%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50627-BS	KK61941.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.60	120	61-126
319-84-6	alpha-BHC	0.5	0.62	124	66-129
319-85-7	beta-BHC	0.5	0.60	120	66-132
319-86-8	delta-BHC	0.5	0.59	118	41-142
58-89-9	gamma-BHC (Lindane)	0.5	0.60	120	68-132
5103-71-9	alpha-Chlordane	0.5	0.57	114	66-131
5103-74-2	gamma-Chlordane	0.5	0.56	112	68-128
60-57-1	Dieldrin	0.5	0.58	116	66-138
72-54-8	4,4'-DDD	0.5	0.58	116	63-138
72-55-9	4,4'-DDE	0.5	0.59	118	59-133
50-29-3	4,4'-DDT	0.5	0.68	136	55-145
72-20-8	Endrin	0.5	0.62	124	71-147
1031-07-8	Endosulfan sulfate	0.5	0.58	116	64-128
7421-93-4	Endrin aldehyde	0.5	0.51	102	60-130
53494-70-5	Endrin ketone	0.5	0.55	110	66-137
959-98-8	Endosulfan-I	0.5	0.52	104	66-133
33213-65-9	Endosulfan-II	0.5	0.53	106	65-133
76-44-8	Heptachlor	0.5	0.62	124	63-130
1024-57-3	Heptachlor epoxide	0.5	0.58	116	67-129
72-43-5	Methoxychlor	0.5	0.62	124	60-136

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	117%	42-127%
2051-24-3	Decachlorobiphenyl	111%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50628-BS	ST124513.D	1	02/27/14	MV	02/26/14	OP50628	GST2958

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.7	93	57-122
11096-82-5	Aroclor 1260	4	3.5	88	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	38-127%
2051-24-3	Decachlorobiphenyl	90%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50629-MS	CC043538.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
OP50629-MSD	CC043539.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644
FA12720-3 [a]	CC043532.D	1	02/27/14	NJ	02/26/14	OP50629	GCC644

The QC reported here applies to the following samples: **Method:** SW846 8151A

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	FA12720-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	1.1		9.43	12.0	116	12.1	117	1	69-138/21
93-72-1	2,4,5-TP (Silvex)	0.042	J	0.943	1.2	123	1.3	133	8	76-142/27
93-76-5	2,4,5-T	ND		0.943	1.0	106	1.0	106	0	75-149/22
1918-00-9	Dicamba	0.15		0.943	1.3	122	1.3	122	0	51-150/23
88-85-7	Dinoseb	ND		4.72	3.3	70	1.7	36	64*	10-122/35
75-99-0	Dalapon	ND		23.6	15.8	67	16.0	68	1	19-132/28
120-36-5	Dichloroprop	ND		9.43	13.7	145	13.9	147	1	76-160/21
94-82-6	2,4-DB	ND		9.43	11.1	118	11.7	124	5	65-145/26
93-65-2	MCPP	51.0	J	943	1470	150*	1490	153*	1	66-131/21
94-74-6	MCPA	ND		943	996	106	1050	111	5	64-137/28
87-86-5	Pentachlorophenol	ND		0.943	1.0	106	1.1	117	10	67-137/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12720-3	Limits
19719-28-9	2,4-DCAA	114%	112%	109%	33-145%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50627-MS	KK61944.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
OP50627-MSD	KK61945.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072
FA12775-1 [a]	KK61943.D	1	02/28/14	EM	02/26/14	OP50627	GKK2072

The QC reported here applies to the following samples: **Method:** SW846 8081B

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	FA12775-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		0.952	0.99	104	0.95	100	4	61-126/21
319-84-6	alpha-BHC	ND		0.952	1.1	116	1.1	116	0	66-129/23
319-85-7	beta-BHC	ND		0.952	1.0	105	1.0	105	0	66-132/23
319-86-8	delta-BHC	ND		0.952	0.99	104	0.97	102	2	41-142/27
58-89-9	gamma-BHC (Lindane)	ND		0.952	1.1	116	1.1	116	0	68-132/22
5103-71-9	alpha-Chlordane	0.036	J	0.952	1.6	168*	1.8	189*	12	66-131/24
5103-74-2	gamma-Chlordane	0.016	J	0.952	1.1	102	1.1	102	0	68-128/21
60-57-1	Dieldrin	ND		0.952	0.89	93	0.83	87	7	66-138/22
72-54-8	4,4'-DDD	ND		0.952	0.92	97	0.89	93	3	63-138/24
72-55-9	4,4'-DDE	ND		0.952	0.95	100	0.93	98	2	59-133/23
50-29-3	4,4'-DDT	ND		0.952	1.7	179*	1.7	179*	0	55-145/27
72-20-8	Endrin	ND		0.952	1.0	105	0.98	103	2	71-147/23
1031-07-8	Endosulfan sulfate	ND		0.952	1.0	105	0.91	96	9	64-128/26
7421-93-4	Endrin aldehyde	ND		0.952	0.75	79	0.72	76	4	60-130/22
53494-70-5	Endrin ketone	ND		0.952	0.96	101	0.90	95	6	66-137/25
959-98-8	Endosulfan-I	ND		0.952	0.84	88	0.82	86	2	66-133/21
33213-65-9	Endosulfan-II	ND		0.952	0.84	88	0.77	81	9	65-133/22
76-44-8	Heptachlor	0.58		0.952	1.0	44*	1.0	44*	0	63-130/23
1024-57-3	Heptachlor epoxide	ND		0.952	0.91	96	0.88	92	3	67-129/23
72-43-5	Methoxychlor	ND		0.952	1.8	189*	1.7	179*	6	60-136/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12775-1	Limits
877-09-8	Tetrachloro-m-xylene	119%	114%	112%	42-127%
2051-24-3	Decachlorobiphenyl	91%	88%	77%	27-127%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12775
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50628-MS	ST124519.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
OP50628-MSD	ST124520.D	1	02/27/14	MV	02/26/14	OP50628	GST2958
FA12775-2	ST124518.D	1	02/27/14	MV	02/26/14	OP50628	GST2958

The QC reported here applies to the following samples: **Method:** SW846 8082A

FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

CAS No.	Compound	FA12775-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		7.55	6.6	87	6.3	83	5	57-122/18
11096-82-5	Aroclor 1260	ND		7.55	6.8	90	6.5	86	5	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12775-2	Limits
877-09-8	Tetrachloro-m-xylene	96%	93%	91%	38-127%
2051-24-3	Decachlorobiphenyl	88%	83%	63%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	4.6	<200
Antimony	6.0	2	2.3	1.9	<6.0
Arsenic	10	2	2.4	-0.40	<10
Barium	200	1	1	-0.30	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	10.3	<1000
Chromium	10	1	2	-0.10	<10
Cobalt	50	.5	.5	0.0	<50
Copper	25	1	1	0.70	<25
Iron	300	17	17	-0.30	<300
Lead	5.0	1.1	1.1	0.10	<5.0
Magnesium	5000	50	56	4.7	<5000
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5	-0.10	<50
Nickel	40	.5	.5	0.0	<40
Potassium	10000	200	200	-33	<10000
Selenium	10	2.3	2.3	-0.60	<10
Silver	10	.65	.77	-0.30	<10
Sodium	10000	500	500	1.1	<10000
Strontium	10	.4	.4	0.10	<10
Thallium	10	1.5	2	-1.1	<10
Tin	50	.7	1	0.20	<50
Titanium	10	.9	1	0.10	<10
Vanadium	50	.5	.5	0.0	<50
Zinc	20	3	3	1.6	<20

Associated samples MP26880: FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/27/14					02/27/14	
Metal	FA12775-1 Original	DUP	RPD	QC Limits	FA12775-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	95.3	77.1	21.1 (a)	0-20	95.3	28300	27000	104.5	80-120
Antimony	3.7	2.9	24.2 (a)	0-20	3.7	558	500	110.9	80-120
Arsenic	2.3	0.0	200.0(a)	0-20	2.3	2040	2000	101.9	80-120
Barium	45.7	44.0	2.9	0-20	45.7	2180	2000	106.7	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	55.2	50	110.4	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	52.0	50	104.0	80-120
Calcium	30900	29900	3.3	0-20	30900	54800	25000	95.6	80-120
Chromium	4.8	3.8	23.3 (a)	0-20	4.8	221	200	108.1	80-120
Cobalt	0.70	0.70	0.0	0-20	0.70	526	500	105.1	80-120
Copper	99.1	108	3.6	0-20	99.1	393	250	112.4	80-120
Iron	3860	3200	18.7	0-20	3860	31500	26000	106.3	80-120
Lead	8.3	8.0	8.4	0-20	8.3	538	500	105.9	80-120
Magnesium	14300	13800	3.6	0-20	14300	39700	25000	101.6	80-120
Manganese	53.9	50.4	7.4	0-20	53.9	576	500	104.3	80-120
Molybdenum	3.9	3.4	13.7	0-20	3.9	517	500	102.6	80-120
Nickel	7.7	6.8	15.0	0-20	7.7	519	500	102.2	80-120
Potassium	5490	5650	3.5	0-20	5490	33100	25000	109.0	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2010	2000	100.5	80-120
Silver	0.0	0.0	NC	0-20	0.0	50.8	50	101.6	80-120
Sodium	92800	88400	0.2	0-20	92800	114000	25000	103.2	80-120
Strontium	204	197	3.5	0-20	204	726	500	104.4	80-120
Thallium	0.0	0.0	NC	0-20	0.0	2110	2000	105.5	80-120
Tin	11.7	11.4	2.6	0-20	11.7	514	500	100.5	80-120
Titanium	5.2	4.4	16.7	0-20	5.2	561	500	111.2	80-120
Vanadium	1.4	1.8	24.4 (a)	0-20	1.4	512	500	101.9	80-120
Zinc	146	138	5.6	0-20	146	651	500	101.0	80-120

Associated samples MP26880: FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	FA12775-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	95.3	28200	27000	104.1	0.4	20
Antimony	3.7	555	500	110.3	0.5	20
Arsenic	2.3	2020	2000	100.9	1.0	20
Barium	45.7	2160	2000	105.7	0.9	20
Beryllium	0.0	54.9	50	109.8	0.5	20
Cadmium	0.0	52.0	50	104.0	0.0	20
Calcium	30900	55800	25000	99.6	1.8	20
Chromium	4.8	220	200	107.6	0.5	20
Cobalt	0.70	523	500	104.5	0.6	20
Copper	99.1	397	250	114.0	1.0	20
Iron	3860	31800	26000	107.5	0.9	20
Lead	8.3	537	500	105.7	0.2	20
Magnesium	14300	40300	25000	104.0	1.5	20
Manganese	53.9	573	500	103.7	0.5	20
Molybdenum	3.9	516	500	102.4	0.2	20
Nickel	7.7	514	500	101.2	1.0	20
Potassium	5490	33300	25000	109.8	0.6	20
Selenium	0.0	1990	2000	99.5	1.0	20
Silver	0.0	51.0	50	102.0	0.4	20
Sodium	92800	117000	25000	115.2	2.6	20
Strontium	204	730	500	105.2	0.5	20
Thallium	0.0	2090	2000	104.5	1.0	20
Tin	11.7	511	500	99.9	0.6	20
Titanium	5.2	560	500	111.0	0.2	20
Vanadium	1.4	509	500	101.3	0.6	20
Zinc	146	654	500	101.6	0.5	20

Associated samples MP26880: FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27700	27000	102.6	80-120
Antimony	549	500	109.8	80-120
Arsenic	2020	2000	101.0	80-120
Barium	2150	2000	107.5	80-120
Beryllium	55.6	50	111.2	80-120
Cadmium	52.4	50	104.8	80-120
Calcium	26100	25000	104.4	80-120
Chromium	218	200	109.0	80-120
Cobalt	535	500	107.0	80-120
Copper	288	250	115.2	80-120
Iron	27600	26000	106.2	80-120
Lead	519	500	103.8	80-120
Magnesium	26500	25000	106.0	80-120
Manganese	525	500	105.0	80-120
Molybdenum	516	500	103.2	80-120
Nickel	527	500	105.4	80-120
Potassium	27000	25000	108.0	80-120
Selenium	2020	2000	101.0	80-120
Silver	49.9	50	99.8	80-120
Sodium	26200	25000	104.8	80-120
Strontium	534	500	106.8	80-120
Thallium	2110	2000	105.5	80-120
Tin	515	500	103.0	80-120
Titanium	539	500	107.8	80-120
Vanadium	511	500	102.2	80-120
Zinc	530	500	106.0	80-120

Associated samples MP26880: FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	FA12775-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	95.3	0.00	100.0(a)	0-10
Antimony	3.70	0.00	100.0(a)	0-10
Arsenic	2.30	0.00	100.0(a)	0-10
Barium	45.7	48.1	6.2	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	30900	32600	5.5	0-10
Chromium	4.80	0.00	100.0(a)	0-10
Cobalt	0.700	0.00	100.0(a)	0-10
Copper	99.1	121	7.8	0-10
Iron	3860	4050	5.1	0-10
Lead	8.30	11.0	26.4 (a)	0-10
Magnesium	14300	15100	5.2	0-10
Manganese	53.9	57.3	5.5	0-10
Molybdenum	3.90	0.00	100.0(a)	0-10
Nickel	7.70	7.90	0.0	0-10
Potassium	5490	5850	0.0	0-10
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	92800	92300	4.6	0-10
Strontium	204	211	3.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	11.7	11.5	1.7	0-10
Titanium	5.20	0.00	100.0(a)	0-10
Vanadium	1.40	2.90	26.1 (a)	0-10
Zinc	146	156	6.9	0-10

Associated samples MP26880: FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	Sample ml	Final ml	FA12775-1 Raw	FA12775-1 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	95.3	93.394	2666	0.2	125	2500	102.9	80-120
Antimony	9.8	10	3.7	3.626	111.1	0.2	5	100	107.5	80-120
Arsenic	9.8	10	2.3	2.254	104.5	0.2	5	100	102.2	80-120
Barium	9.8	10	45.7	44.394	301	0.2	12.5	250	102.6	80-120
Beryllium	9.8	10			53.2	0.2	2.5	50	106.4	80-120
Cadmium	9.8	10			52.2	0.2	2.5	50	104.4	80-120
Calcium	9.8	10	30860	30242.8	34940	0.2	250	5000	93.9	80-120
Chromium	9.8	10	4.8	4.704	57.5	0.2	2.5	50	105.6	80-120
Cobalt	9.8	10	.7	.686	52.7	0.2	2.5	50	104.0	80-120
Copper	9.8	10	99.1	109.564	221.2	0.2	5	100	111.6	80-120
Iron	9.8	10	3858	3780.84	6925	0.2	150	3000	104.8	80-120
Lead	9.8	10	8.3	8.526	59.8	0.2	2.5	50	102.5	80-120
Magnesium	9.8	10	14310	14023.8	18820	0.2	250	5000	95.9	80-120
Manganese	9.8	10	53.9	53.214	104.4	0.2	2.5	50	102.4	80-120
Molybdenum	9.8	10	3.9	3.822	108.1	0.2	5	100	104.3	80-120
Nickel	9.8	10	7.7	7.742	109.5	0.2	5	100	101.8	80-120
Potassium	9.8	10	5492	5732.02	16230	0.2	500	10000	105.0	80-120
Selenium	9.8	10			98.1	0.2	5	100	98.1	80-120
Silver	9.8	10			51.6	0.2	2.5	50	103.2	80-120
Sodium	9.8	10	92800	86465.4	100900	0.2	500	10000	144.3*(a	80-120
Strontium	9.8	10	203.8	199.724	249.2	0.2	2.5	50	99.0	80-120
Thallium	9.8	10			101.8	0.2	5	100	101.8	80-120
Tin	9.8	10	11.7	11.466	60.2	0.2	2.5	50	97.5	80-120
Titanium	9.8	10	5.2	5.096	113.6	0.2	5	100	108.5	80-120
Vanadium	9.8	10	1.4	2.254	51.9	0.2	2.5	50	99.3	80-120
Zinc	9.8	10	145.6	142.688	413.5	0.2	12.5	250	108.3	80-120

Associated samples MP26880: FA12775-1, FA12775-2, FA12775-3, FA12775-4, FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26889 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/03/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.015	<0.50

Associated samples MP26889: FA12775-1, FA12775-2, FA12775-3, FA12775-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26889
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/03/14 03/03/14

Metal	FA12886-1 Original	DUP	RPD	QC Limits	FA12886-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.039	0.0	200.0(a)	0-20	0.039	2.9	3	95.4	80-120

Associated samples MP26889: FA12775-1, FA12775-2, FA12775-3, FA12775-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26889 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/03/14

Metal	FA12886-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.039	3.0	3	98.7	3.4	20

Associated samples MP26889: FA12775-1, FA12775-2, FA12775-3, FA12775-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26889
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/03/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.9	3	96.7	80-120

Associated samples MP26889: FA12775-1, FA12775-2, FA12775-3, FA12775-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26889 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/03/14

Metal	FA12886-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.0392	0.00	100.0(a)	0-10

Associated samples MP26889: FA12775-1, FA12775-2, FA12775-3, FA12775-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/04/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.029	<0.50

Associated samples MP26897: FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/04/14 03/04/14

Metal	FA12826-4 Original	DUP	RPD	QC Limits	FA12826-4 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.4	3	80.0	80-120

Associated samples MP26897: FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/04/14

Metal	FA12826-4 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.6	3	86.7	8.0	20

Associated samples MP26897: FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/04/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26897: FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12775
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/04/14

Metal	FA12826-4 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP26897: FA12775-5, FA12775-6, FA12775-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

Reissue #1
04/14/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita, KS

Accutest Job Number: FA12779

Sampling Date: 02/24/14

Report to:

ISI Environmental Services

bgerber@isienvironmental.com
ahealey@isienvironmental.com
ATTN: Brady Gerber

Total number of pages in report: **67**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

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April 14, 2014

Mr. Brady Gerber
ISI Environmental Services
215 S. Laura
Wichita, KS 67211

RE: Accutest job FA12779 Reissue

Dear Mr. Gerber,

The final report for job number FA12779 has been revised as per your request. All edits and/or additions to the original report have been made per your instructions.

Please review and advise if you have any questions and feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita, KS

Job No: FA12779

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12779-1	02/24/14	16:35	BGSK	02/26/14	AQ	Water	BLD D 14 INT
FA12779-2	02/24/14	00:00	BGSK	02/26/14	AQ	Trip Blank Water	TRIP BLANK
FA12779-3	02/24/14	17:10	BGSK	02/26/14	AQ	Water	BLD D 15A INT
FA12779-4	02/24/14	17:40	BGSK	02/26/14	AQ	Water	BLD D 15C INT
FA12779-5	02/24/14	17:50	BGSK	02/26/14	AQ	Water	BLD D 15D INT
FA12779-6	02/24/14	18:05	BGSK	02/26/14	AQ	Water	BLD D 16 INT

Summary of Hits

Job Number: FA12779
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/24/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12779-1	**BLD D 14 INT**					
Iron		1350	300		ug/l	SW846 6010C
Lead		21.9	5.0		ug/l	SW846 6010C
Manganese		63.6	15		ug/l	SW846 6010C
Sodium		92000	20000		ug/l	SW846 6010C
Strontium		202	10		ug/l	SW846 6010C
Zinc		74.4	20		ug/l	SW846 6010C
FA12779-2	**TRIP BLANK**					
Carbon disulfide		0.24 J	2.0	0.20	ug/l	SW846 8260B
FA12779-3	**BLD D 15A INT**					
Iron		3900	300		ug/l	SW846 6010C
Lead		58.7	5.0		ug/l	SW846 6010C
Manganese		208	15		ug/l	SW846 6010C
Sodium		90400	20000		ug/l	SW846 6010C
Strontium		206	10		ug/l	SW846 6010C
FA12779-4	**BLD D 15C INT**					
Iron		2420	300		ug/l	SW846 6010C
Lead		36.8	5.0		ug/l	SW846 6010C
Manganese		129	15		ug/l	SW846 6010C
Sodium		91000	20000		ug/l	SW846 6010C
Strontium		209	10		ug/l	SW846 6010C
FA12779-5	**BLD D 15D INT**					
Iron		3730	300		ug/l	SW846 6010C
Lead		55.3	5.0		ug/l	SW846 6010C
Manganese		190	15		ug/l	SW846 6010C
Sodium		88800	20000		ug/l	SW846 6010C
Strontium		205	10		ug/l	SW846 6010C
FA12779-6	**BLD D 16 INT**					
Iron		748	300		ug/l	SW846 6010C
Lead		16.1	5.0		ug/l	SW846 6010C
Manganese		65.9	15		ug/l	SW846 6010C
Sodium		89200	20000		ug/l	SW846 6010C
Strontium		203	10		ug/l	SW846 6010C

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD D 14 INT		
Lab Sample ID:	FA12779-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22900.D	1	02/27/14	EG	n/a	n/a	VP857
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	20	6.4	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		83-118%
17060-07-0	1,2-Dichloroethane-D4	93%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D 14 INT		
Lab Sample ID:	FA12779-1	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677166.D	1	03/05/14	NAF	02/28/14	OP50648	SL3415
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		14-67%
4165-62-2	Phenol-d5	14%		10-50%
118-79-6	2,4,6-Tribromophenol	81%		33-118%
4165-60-0	Nitrobenzene-d5	79%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	91%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D 14 INT
Lab Sample ID: FA12779-1
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 5.0	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	1350	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	21.9	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	63.6	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/04/14	03/04/14	JL	SW846 7470A [2]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	92000	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	202	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Zinc	74.4	20	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11430
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26897

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12779-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18683.D	1	03/03/14	WV	n/a	n/a	VI322
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.24	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12779-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride [a]	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12779-2	**Date Sampled:**	02/24/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D 15A INT		
Lab Sample ID:	FA12779-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22901.D	1	02/27/14	EG	n/a	n/a	VP857
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	20	6.4	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D 15A INT		
Lab Sample ID:	FA12779-3	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677153.D	1	03/04/14	NAF	02/28/14	OP50648	SL3414
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-67%
4165-62-2	Phenol-d5	18%		10-50%
118-79-6	2,4,6-Tribromophenol	75%		33-118%
4165-60-0	Nitrobenzene-d5	84%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	76%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D 15A INT
Lab Sample ID: FA12779-3
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	3900	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	58.7	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Manganese	208	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	90400	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [2]	SW846 3010A [3]
Strontium	206	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11431
(3) Prep QC Batch: MP26880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D 15C INT		
Lab Sample ID:	FA12779-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22902.D	1	02/27/14	EG	n/a	n/a	VP857
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	20	6.4	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D 15C INT		
Lab Sample ID:	FA12779-4	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677154.D	1	03/04/14	NAF	02/28/14	OP50648	SL3414
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	24	4.8	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.51	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-67%
4165-62-2	Phenol-d5	16%		10-50%
118-79-6	2,4,6-Tribromophenol	73%		33-118%
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D 15C INT
Lab Sample ID: FA12779-4
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	2420	300	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	36.8	5.0	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	129	15	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/04/14	03/04/14	JL	SW846 7470A [2]	SW846 7470A [5]
Sodium	91000	20000	ug/l	2	02/27/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	209	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Titanium	< 10	10	ug/l	1	02/27/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11430
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26880
(5) Prep QC Batch: MP26897

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D 15D INT		
Lab Sample ID:	FA12779-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P22903.D	1	02/27/14	EG	n/a	n/a	VP857
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	20	6.4	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BLD D 15D INT		
Lab Sample ID:	FA12779-5	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677155.D	1	03/04/14	NAF	02/28/14	OP50648	SL3414
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	24	4.8	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.51	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-67%
4165-62-2	Phenol-d5	18%		10-50%
118-79-6	2,4,6-Tribromophenol	83%		33-118%
4165-60-0	Nitrobenzene-d5	87%		42-108%
321-60-8	2-Fluorobiphenyl	80%		40-106%
1718-51-0	Terphenyl-d14	88%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D 15D INT
Lab Sample ID: FA12779-5
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Iron	3730	300	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	55.3	5.0	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Manganese	190	15	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.50	0.50	ug/l	1	03/04/14	03/04/14	JL	SW846 7470A [2]	SW846 7470A [5]
Potassium	< 10000	10000	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]
Sodium	88800	20000	ug/l	2	02/28/14	03/03/14	LM	SW846 6010C [3]	SW846 3010A [4]
Strontium	205	10	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11430
(3) Instrument QC Batch: MA11431
(4) Prep QC Batch: MP26883
(5) Prep QC Batch: MP26897

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD D 16 INT		
Lab Sample ID:	FA12779-6	**Date Sampled:**	02/24/14
Matrix:	AQ - Water	**Date Received:**	02/26/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677117.D	1	03/03/14	NAF	02/28/14	OP50648	SL3412
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	24	4.7	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	0.50	ug/l	
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		14-67%
4165-62-2	Phenol-d5	23%		10-50%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLD D 16 INT
Lab Sample ID: FA12779-6
Matrix: AQ - Water
Project: Clean Harbors; Wichita, KS

Date Sampled: 02/24/14
Date Received: 02/26/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Cadmium	< 5.0	5.0	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	748	300	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Lead	16.1	5.0	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Manganese	65.9	15	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	89200	20000	ug/l	2	02/28/14	03/03/14	LM	SW846 6010C [2]	SW846 3010A [3]
Strontium	203	10	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]
Titanium	< 10	10	ug/l	1	02/28/14	02/28/14	LM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA11426
(2) Instrument QC Batch: MA11431
(3) Prep QC Batch: MP26883

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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Accutest JOB # FA12779 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	Acrolein/2-Hexanone	p-Isopropyltoluene/Naphthalene	1-methylnaphthalene/2-methylnaphthalene	Naphthalene/Phenanthrene	Pentachlorophenol	Arsenic/Cadmium/Chromium	Cobalt/Iron/Lead	Manganese/Mercury/Potassium	Sodium/Strontium/Thallium	Titanium/Zinc	VOC's	LAB USE ONLY
1	Bld D NT 14 Int	224-14	1635	BG	WW	8		X	X		X					X	X	X	X	X	X	X	X	X	X		
2	Trip Blank					2			X																	X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2/25/14 / 1015	2 FX	3 FX	2-26-14	4 J. Carroll (AISE) 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 4 Cooler Temperature (s) Celsius: 2.8 3.0 2.6 2.8

4.1 4

FA12779: Chain of Custody
Page 1 of 8

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA12779 PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ISI Environmental
Address: 215 S. Lawa
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH-ZnAc	DI Water	MeOH	Acrolein/Naphthalene	Benzoic Acid/3x4 Methylphenol	2-Nitrophenol/Benzyl Alcohol	1-Methylnaphthalene/Naphthalene	Phenanthrene	Chromium/Iron/Lead	Manganese/Sodium	Strontium			VOCs	Lab Use Only
3	Bld D NT 15A Int	2-24-14	1710	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X				
	Trip Blank																									X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-25-14 / 1020	2 FX	3 FX	2-26-14	4 J. Cozzel (AISE) 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12779: Chain of Custody
Page 2 of 8

Accutest Laboratories Southeast
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Accutest JOB # FA12779 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZnAc	DI WATER	MEOH	Naphthalene	Benzoic Acid/2-Nitrophenol	Benzyl Alcohol/Naphthalene	Phenanthrene	Antimony/Chromium	Iron/Lead/Manganese	Mercury/Sodium/Strontium	Titanium	VOCs			LAB USE ONLY
4	Bld D NT 15 C Int	2-24-14	1740	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X				
	Trip Blank																							X			

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 day Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-25-14/1030	2 FX	3 FX	2-26-14	4 J. Gorne (ADE) 09:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12779: Chain of Custody
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Accutest JOB # FA12779 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: ISI Environmental
Address: 215 S. Lawn
City: Wichita State: KS Zip: 67211
Project Contact: Brady Grebe E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Grebe / Shaun Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	MEOH	HNO3	H2SO4	NAOH-ZNAC	DI WATER	MEOH	Methylene Chloride / Naphthalene	Benzoic Acid / 3,4-Methylphenol	Benzyl Alcohol	1-Methylnaphthalene / Naphthalene	Phenanthrene	Antimony / Cadmium	Iron / Lead / Manganese	Mercury / Potassium	Selenium / Strontium	VOC's
(S)	Bld DNT 15D Int	2-24-14	1750	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X	X	
	Trip Blank					2			X																X

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipes

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH — 5-7 dy Rush
- [x] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Grebe	2-25-14/1040	2 FX	3 FX	2-26-14	4 J. Copper (ASE) 09:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12779: Chain of Custody
Page 4 of 8

Accutest Laboratories Southeast
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Accutest JOB # FA12779 PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: JS Environmental
Address: 215 S. Lena
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

Project Name: Clean Harbors
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection: DATE	TIME	SAMPLED BY:	MATRIX	Container Information: TOTAL # OF BOTTLES	OTHER	NONE	HCl	MeOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Benzoic Acid	4-chloro-3-methyl phenol	Benzo (a) anthracene	Benzyl Alcohol	bis(2-Ethylhexyl) phthalate	Phenanthrene	Cadmium/Iron/Lead	Manganese/Sodium	Strontium/Titanium
(6)	Bld D NT 16 Int	2-24-14	1805	BG	WW	3		X			X					X	X	X	X	X	X	X	X	X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day RUSH — 5-7 day Rush
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	2-25-14/1100	2 FX	3 FX	2-26-14	4 Courier (ALSE) 09:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1 4

FA12779: Chain of Custody
Page 5 of 8

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12779 CLIENT: ISI ENV PROJECT: CLEAN HARBORS

DATE/TIME RECEIVED: 2-26-14 09:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 7301

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.2 3.4 3.0 3.2
- [ ] CORRECTED TEMPS: 2.8 3.0 2.6 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____

NUMBER OF 5035 FIELD KITS ? _____

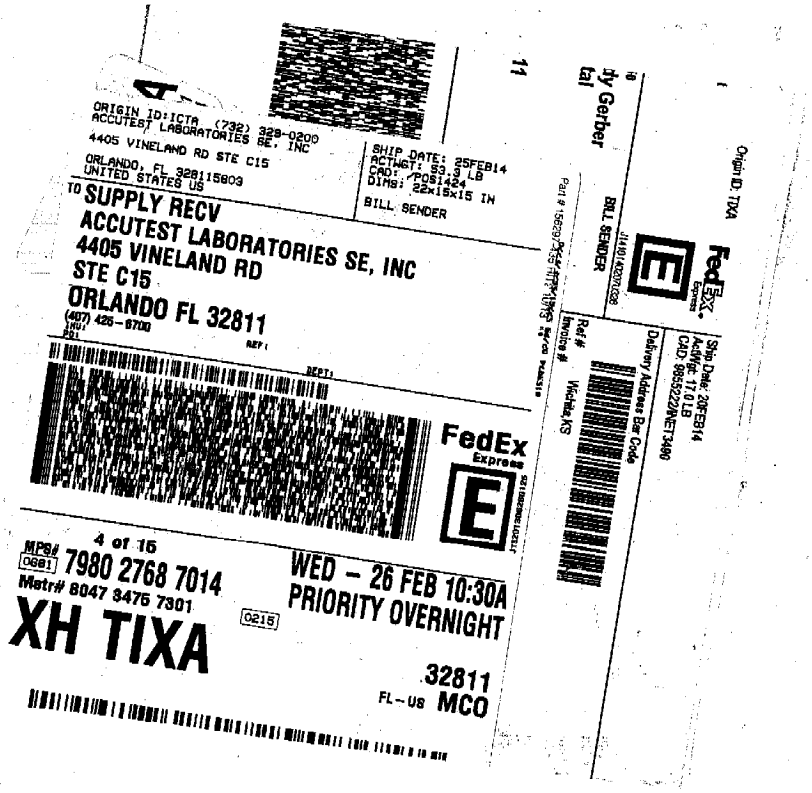
NUMBER OF LAB FILTERED METALS ? _____

SUMMARY OF COMMENTS: ONLY 1 TB SAMPLE #2

TECHNICIAN SIGNATURE/DATE [signature] 2-26-14 REVIEWER SIGNATURE/DATE [signature] 02/26/14

NF 12/10 receipt confirmation 122910.xls

4.1 4


ORIGIN ID:ICTA (732) 329-0200
ACCUTEST LABORATORIES SE, INC
4405 VINELAND RD STE C15
ORLANDO, FL 328115803
UNITED STATES US
SHIP DATE: 25FEB14
ACTWGT: 53.3 LB
CAD: /POS1424
DIMS: 22x18x15 IN
BILL SENDER
TO SUPPLY RECV
ACCUTEST LABORATORIES SE, INC
4405 VINELAND RD
STE C15
ORLANDO FL 32811
(407) 425-6700
REF:
DEPT:
FedEx Express
4 of 15
MPS#
0681
7980 2768 7014
Mstr# 8047 3475 7301
XH TIXA
0215
WED - 26 FEB 10:30A
PRIORITY OVERNIGHT
32811
FL-US MCO
Origin ID: TIXA
BILL SENDER
Ref # Invoice #
Wichita KS
Delivery Address Bar Code
Ship Date: 26FEB14
ActWgt: 17.0 LB
CAD: 9655222/NET3490

Job Change Order: FA12779_4/14/2014

Requested Date:	4/14/2014	**Received Date:**	2/26/2014
Account Name:	ISI Environmental Services	**Due Date:**	3/5/2014
Project	Clean Harbors; Wichita, KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #:
FA12779-1,3,4,5

Change: Per COC and report comment, client requested Acrolien, 2-hexanone, p-isopropyltoluene, and naphthalene only to be reported for 8260. Please revise and re-issue. Thank you.

Above Changes Per: client **Date:** 4/14/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

FA12779: Chain of Custody
Page 8 of 8

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP857-MB	P22883.D	1	02/27/14	EG	n/a	n/a	VP857

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-1, FA12779-3, FA12779-4, FA12779-5

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	20	6.4	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Method Blank Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI322-MB	I18670.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI322-MB	I18670.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI322-MB	I18670.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Blank Spike Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP857-BS	P22881.D	1	02/27/14	EG	n/a	n/a	VP857

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-1, FA12779-3, FA12779-4, FA12779-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
107-02-8	Acrolein	125	119	95	31-154
591-78-6	2-Hexanone	125	119	95	61-129
99-87-6	p-Isopropyltoluene	25	27.5	110	79-130
91-20-3	Naphthalene	25	21.5	86	63-132

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	83%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	93%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI322-BS	I18669.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	106	85	50-147
107-02-8	Acrolein	125	110	88	31-154
107-13-1	Acrylonitrile	125	137	110	58-126
71-43-2	Benzene	25	26.0	104	81-122
108-86-1	Bromobenzene	25	23.8	95	80-121
74-97-5	Bromochloromethane	25	23.1	92	76-123
75-27-4	Bromodichloromethane	25	25.8	103	79-123
75-25-2	Bromoform	25	23.3	93	66-123
104-51-8	n-Butylbenzene	25	26.0	104	79-126
135-98-8	sec-Butylbenzene	25	29.0	116	83-133
98-06-6	tert-Butylbenzene	25	25.7	103	80-133
108-90-7	Chlorobenzene	25	25.8	103	82-124
75-00-3	Chloroethane	25	28.3	113	62-144
67-66-3	Chloroform	25	25.0	100	80-124
95-49-8	o-Chlorotoluene	25	25.9	104	81-127
106-43-4	p-Chlorotoluene	25	26.9	108	83-130
110-75-8	2-Chloroethyl vinyl ether	125	196	157*	56-122
75-15-0	Carbon disulfide	25	23.2	93	66-148
56-23-5	Carbon tetrachloride	25	27.8	111	76-136
75-34-3	1,1-Dichloroethane	25	28.1	112	81-122
75-35-4	1,1-Dichloroethylene	25	26.9	108	78-137
563-58-6	1,1-Dichloropropene	25	28.5	114	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.7	103	64-123
106-93-4	1,2-Dibromoethane	25	23.3	93	75-120
107-06-2	1,2-Dichloroethane	25	25.0	100	75-125
78-87-5	1,2-Dichloropropane	25	27.4	110	76-124
142-28-9	1,3-Dichloropropane	25	24.7	99	80-118
594-20-7	2,2-Dichloropropane	25	28.7	115	74-139
124-48-1	Dibromochloromethane	25	25.8	103	78-122
75-71-8	Dichlorodifluoromethane	25	39.8	159	42-167
156-59-2	cis-1,2-Dichloroethylene	25	23.8	95	78-120
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	75-118
541-73-1	m-Dichlorobenzene	25	26.9	108	84-125
95-50-1	o-Dichlorobenzene	25	25.8	103	82-124
106-46-7	p-Dichlorobenzene	25	24.4	98	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI322-BS	I18669.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.8	111	80-120
100-41-4	Ethylbenzene	25	25.0	100	81-121
591-78-6	2-Hexanone	125	126	101	61-129
87-68-3	Hexachlorobutadiene	25	30.3	121	75-142
98-82-8	Isopropylbenzene	25	27.9	112	83-132
99-87-6	p-Isopropyltoluene	25	28.0	112	79-130
108-10-1	4-Methyl-2-pentanone	125	129	103	66-122
74-83-9	Methyl bromide	25	29.5	118	59-143
74-87-3	Methyl chloride	25	42.3	169*	50-159
74-95-3	Methylene bromide	25	22.7	91	78-119
75-09-2	Methylene chloride	25	28.4	114	69-135
78-93-3	Methyl ethyl ketone	125	116	93	56-143
1634-04-4	Methyl Tert Butyl Ether	25	22.1	88	72-117
91-20-3	Naphthalene	25	23.9	96	63-132
103-65-1	n-Propylbenzene	25	27.9	112	82-133
100-42-5	Styrene	25	24.6	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	26.0	104	77-122
71-55-6	1,1,1-Trichloroethane	25	26.7	107	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	72-120
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.7	111	68-131
96-18-4	1,2,3-Trichloropropane	25	21.8	87	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.7	107	73-129
95-63-6	1,2,4-Trimethylbenzene	25	24.4	98	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.6	94	79-120
127-18-4	Tetrachloroethylene	25	25.8	103	76-135
108-88-3	Toluene	25	24.6	98	80-120
79-01-6	Trichloroethylene	25	25.3	101	81-126
75-69-4	Trichlorofluoromethane	25	29.0	116	71-156
75-01-4	Vinyl chloride	25	32.6	130	69-159
108-05-4	Vinyl Acetate	125	236	189*	43-154
	m,p-Xylene	50	50.9	102	79-126
95-47-6	o-Xylene	25	26.5	106	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI322-BS	I18669.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	94%	85-112%
460-00-4	4-Bromofluorobenzene	94%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12664-1MS	P22904.D	1	02/27/14	EG	n/a	n/a	VP857
FA12664-1MSD	P22905.D	1	02/27/14	EG	n/a	n/a	VP857
FA12664-1	P22890.D	1	02/27/14	EG	n/a	n/a	VP857

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-1, FA12779-3, FA12779-4, FA12779-5

CAS No.	Compound	FA12664-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
107-02-8	Acrolein	20	U	125	95.4	76	79.3	63	18	31-154/29
591-78-6	2-Hexanone	10	U	125	105	84	106	85	1	61-129/18
99-87-6	p-Isopropyltoluene	1.0	U	25	26.0	104	26.3	105	1	79-130/16
91-20-3	Naphthalene	3.0	U	25	17.1	68	18.8	75	9	63-132/25

CAS No.	Surrogate Recoveries	MS	MSD	FA12664-1	Limits
1868-53-7	Dibromofluoromethane	86%	86%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	90%	89%	98%	79-125%
2037-26-5	Toluene-D8	95%	95%	100%	85-112%
460-00-4	4-Bromofluorobenzene	94%	97%	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12886-4MS	I18679.D	1	03/03/14	WV	n/a	n/a	VI322
FA12886-4MSD	I18680.D	1	03/03/14	WV	n/a	n/a	VI322
FA12886-4	I18676.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Compound	FA12886-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	73.4	59	78.9	63	7	50-147/21
107-02-8	Acrolein	20 U		125	90.7	73	88.5	71	2	31-154/29
107-13-1	Acrylonitrile	10 U		125	121	97	129	103	6	58-126/16
71-43-2	Benzene	1.0 U		25	25.5	102	24.7	99	3	81-122/14
108-86-1	Bromobenzene	1.0 U		25	23.1	92	22.3	89	4	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	21.7	87	21.5	86	1	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	24.0	96	22.7	91	6	79-123/19
75-25-2	Bromoform	1.0 U		25	17.0	68	16.8	67	1	66-123/21
104-51-8	n-Butylbenzene	1.0 U		25	25.8	103	25.1	100	3	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	28.9	116	28.2	113	2	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	27.0	108	26.2	105	3	80-133/16
108-90-7	Chlorobenzene	4.2		25	29.2	100	29.1	100	0	82-124/14
75-00-3	Chloroethane	2.0 U		25	24.6	98	26.5	106	7	62-144/20
67-66-3	Chloroform	1.0 U		25	24.8	99	24.2	97	2	80-124/15
95-49-8	o-Chlorotoluene	0.41	I	25	26.1	103	25.6	101	2	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	26.5	106	25.8	103	3	83-130/15
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	29.4	24*	2.8	2*	165*	56-122/23
75-15-0	Carbon disulfide	2.0 U		25	22.2	89	20.1	80	10	66-148/23
56-23-5	Carbon tetrachloride	1.0 U		25	26.0	104	23.2	93	11	76-136/23
75-34-3	1,1-Dichloroethane	1.0 U		25	27.2	109	27.0	108	1	81-122/15
75-35-4	1,1-Dichloroethylene	1.0 U		25	25.8	103	24.7	99	4	78-137/18
563-58-6	1,1-Dichloropropene	1.0 U		25	28.3	113	26.4	106	7	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	23.7	95	24.9	100	5	64-123/18
106-93-4	1,2-Dibromoethane	1.0 U		25	21.8	87	22.7	91	4	75-120/13
107-06-2	1,2-Dichloroethane	1.0 U		25	23.9	96	24.4	98	2	75-125/14
78-87-5	1,2-Dichloropropane	1.0 U		25	26.8	107	26.8	107	0	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.1	92	24.2	97	5	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	26.9	108	25.9	104	4	74-139/17
124-48-1	Dibromochloromethane	1.0 U		25	21.0	84	20.8	83	1	78-122/19
75-71-8	Dichlorodifluoromethane	2.0 U		25	36.7	147	35.6	142	3	42-167/19
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	23.3	93	22.8	91	2	78-120/15
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	20.1	80	18.2	73*	10	75-118/23
541-73-1	m-Dichlorobenzene	1.0 U		25	26.6	106	26.5	106	0	84-125/14
95-50-1	o-Dichlorobenzene	1.0 U		25	26.1	104	25.9	104	1	82-124/14
106-46-7	p-Dichlorobenzene	0.89	I	25	25.0	96	25.1	97	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	25.9	104	25.8	103	0	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12886-4MS	I18679.D	1	03/03/14	WV	n/a	n/a	VI322
FA12886-4MSD	I18680.D	1	03/03/14	WV	n/a	n/a	VI322
FA12886-4	I18676.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Compound	FA12886-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	19.5	78*	18.9	76*	3	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	24.3	97	23.9	96	2	81-121/14
591-78-6	2-Hexanone	10 U		125	113	90	124	99	9	61-129/18
87-68-3	Hexachlorobutadiene	2.0 U		25	27.8	111	28.9	116	4	75-142/19
98-82-8	Isopropylbenzene	1.0 U		25	27.3	109	27.3	109	0	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	27.5	110	27.3	109	1	79-130/16
108-10-1	4-Methyl-2-pentanone	5.0 U		125	123	98	135	108	9	66-122/16
74-83-9	Methyl bromide	2.0 U		25	26.1	104	26.7	107	2	59-143/19
74-87-3	Methyl chloride	2.0 U		25	37.3	149	40.5	162*	8	50-159/19
74-95-3	Methylene bromide	2.0 U		25	21.9	88	23.0	92	5	78-119/14
75-09-2	Methylene chloride	5.0 U		25	25.8	103	26.2	105	2	69-135/16
78-93-3	Methyl ethyl ketone	5.0 U		125	96.9	78	103	82	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	0.22	I	25	20.2	80	21.7	86	7	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.1	88	24.8	99	12	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	28.1	112	27.0	108	4	82-133/15
100-42-5	Styrene	1.0 U		25	20.4	82	19.8	79	3	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	24.5	98	24.1	96	2	77-122/19
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.8	103	24.9	100	4	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.5	90	23.9	96	6	72-120/14
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.2	93	23.9	96	3	76-119/14
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	24.9	100	26.8	107	7	68-131/25
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.0	84	21.2	85	1	77-120/16
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	24.2	97	25.4	102	5	73-129/20
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	24.5	98	23.9	96	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	23.0	92	22.7	91	1	79-120/19
127-18-4	Tetrachloroethylene	1.0 U		25	25.3	101	24.1	96	5	76-135/16
108-88-3	Toluene	1.0 U		25	24.6	98	24.0	96	2	80-120/14
79-01-6	Trichloroethylene	1.0 U		25	25.6	102	25.4	102	1	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	26.6	106	26.2	105	2	71-156/21
75-01-4	Vinyl chloride	1.0 U		25	27.6	110	29.4	118	6	69-159/18
108-05-4	Vinyl Acetate	10 U		125	220	176*	229	183*	4	43-154/14
	m,p-Xylene	2.0 U		50	50.2	100	49.1	98	2	79-126/15
95-47-6	o-Xylene	1.0 U		25	26.0	104	25.7	103	1	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12886-4MS	I18679.D	1	03/03/14	WV	n/a	n/a	VI322
FA12886-4MSD	I18680.D	1	03/03/14	WV	n/a	n/a	VI322
FA12886-4	I18676.D	1	03/03/14	WV	n/a	n/a	VI322

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA12779-2

CAS No.	Surrogate Recoveries	MS	MSD	FA12886-4	Limits
1868-53-7	Dibromofluoromethane	102%	100%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	103%	79-125%
2037-26-5	Toluene-D8	94%	94%	98%	85-112%
460-00-4	4-Bromofluorobenzene	95%	96%	100%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50648-MB	L0677096.D	1	03/03/14	NAF	02/28/14	OP50648	SL3412

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12779-1, FA12779-3, FA12779-4, FA12779-5, FA12779-6

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.53	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	32%	14-67%
4165-62-2	Phenol-d5	23%	10-50%
118-79-6	2,4,6-Tribromophenol	60%	33-118%
4165-60-0	Nitrobenzene-d5	61%	42-108%
321-60-8	2-Fluorobiphenyl	55%	40-106%
1718-51-0	Terphenyl-d14	73%	39-121%

Blank Spike Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50648-BS	L0677095.D	1	03/03/14	NAF	02/28/14	OP50648	SL3412

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12779-1, FA12779-3, FA12779-4, FA12779-5, FA12779-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-86-5	Pentachlorophenol	100	100	100	61-115
91-57-6	2-Methylnaphthalene	50	41.6	83	51-102
91-20-3	Naphthalene	50	40.1	80	47-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	50%	14-67%
4165-62-2	Phenol-d5	34%	10-50%
118-79-6	2,4,6-Tribromophenol	82%	33-118%
4165-60-0	Nitrobenzene-d5	77%	42-108%
321-60-8	2-Fluorobiphenyl	75%	40-106%
1718-51-0	Terphenyl-d14	88%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA12779
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50648-MS	L0677099.D	1	03/03/14	NAF	02/28/14	OP50648	SL3412
OP50648-MSD	L0677100.D	1	03/03/14	NAF	02/28/14	OP50648	SL3412
FA12802-8	L0677098.D	1	03/03/14	NAF	02/28/14	OP50648	SL3412

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA12779-1, FA12779-3, FA12779-4, FA12779-5, FA12779-6

CAS No.	Compound	FA12802-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-86-5	Pentachlorophenol	24 U		192	173	90	164	85	5	61-115/26
91-57-6	2-Methylnaphthalene	9.4		96.2	70.0	63	70.8	64	1	51-102/26
91-20-3	Naphthalene	30.7		96.2	90.5	62	90.5	62	0	47-100/29

CAS No.	Surrogate Recoveries	MS	MSD	FA12802-8	Limits
367-12-4	2-Fluorophenol	38%	39%		14-67%
4165-62-2	Phenol-d5	29%	29%		10-50%
118-79-6	2,4,6-Tribromophenol	70%	68%		33-118%
4165-60-0	Nitrobenzene-d5	60%	60%	62%	42-108%
321-60-8	2-Fluorobiphenyl	61%	62%	58%	40-106%
1718-51-0	Terphenyl-d14	76%	76%	67%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	1.9	<6.0
Arsenic	10	2	2.4	-0.40	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50		
Chromium	10	1	2	-0.10	<10
Cobalt	50	.5	.5	0.0	<50
Copper	25	1	1		
Iron	300	17	17	-0.30	<300
Lead	5.0	1.1	1.1	0.10	<5.0
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200	-33	<10000
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500	1.1	<10000
Strontium	10	.4	.4	0.10	<10
Thallium	10	1.5	2	-1.1	<10
Tin	50	.7	1		
Titanium	10	.9	1	0.10	<10
Vanadium	50	.5	.5		
Zinc	20	3	3	1.6	<20

Associated samples MP26880: FA12779-1, FA12779-3, FA12779-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/27/14					02/27/14	
Metal	FA12775-1 Original	DUP	RPD	QC Limits	FA12775-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	3.7	2.9	24.2 (a)	0-20	3.7	558	500	110.9	80-120
Arsenic	2.3	0.0	200.0(a)	0-20	2.3	2040	2000	101.9	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	52.0	50	104.0	80-120
Calcium	anr								
Chromium	4.8	3.8	23.3 (a)	0-20	4.8	221	200	108.1	80-120
Cobalt	0.70	0.70	0.0	0-20	0.70	526	500	105.1	80-120
Copper	anr								
Iron	3860	3200	18.7	0-20	3860	31500	26000	106.3	80-120
Lead	8.3	8.0	8.4	0-20	8.3	538	500	105.9	80-120
Magnesium	anr								
Manganese	53.9	50.4	7.4	0-20	53.9	576	500	104.3	80-120
Molybdenum	anr								
Nickel	anr								
Potassium	5490	5650	3.5	0-20	5490	33100	25000	109.0	80-120
Selenium	anr								
Silver	anr								
Sodium	92800	88400	0.2	0-20	92800	114000	25000	103.2	80-120
Strontium	204	197	3.5	0-20	204	726	500	104.4	80-120
Thallium	0.0	0.0	NC	0-20	0.0	2110	2000	105.5	80-120
Tin	anr								
Titanium	5.2	4.4	16.7	0-20	5.2	561	500	111.2	80-120
Vanadium	anr								
Zinc	146	138	5.6	0-20	146	651	500	101.0	80-120

Associated samples MP26880: FA12779-1, FA12779-3, FA12779-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/27/14

Metal	FA12775-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	3.7	555	500	110.3	0.5	20
Arsenic	2.3	2020	2000	100.9	1.0	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	52.0	50	104.0	0.0	20
Calcium	anr					
Chromium	4.8	220	200	107.6	0.5	20
Cobalt	0.70	523	500	104.5	0.6	20
Copper	anr					
Iron	3860	31800	26000	107.5	0.9	20
Lead	8.3	537	500	105.7	0.2	20
Magnesium	anr					
Manganese	53.9	573	500	103.7	0.5	20
Molybdenum	anr					
Nickel	anr					
Potassium	5490	33300	25000	109.8	0.6	20
Selenium	anr					
Silver	anr					
Sodium	92800	117000	25000	115.2	2.6	20
Strontium	204	730	500	105.2	0.5	20
Thallium	0.0	2090	2000	104.5	1.0	20
Tin	anr					
Titanium	5.2	560	500	111.0	0.2	20
Vanadium	anr					
Zinc	146	654	500	101.6	0.5	20

Associated samples MP26880: FA12779-1, FA12779-3, FA12779-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	549	500	109.8	80-120
Arsenic	2020	2000	101.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	52.4	50	104.8	80-120
Calcium	anr			
Chromium	218	200	109.0	80-120
Cobalt	535	500	107.0	80-120
Copper	anr			
Iron	27600	26000	106.2	80-120
Lead	519	500	103.8	80-120
Magnesium	anr			
Manganese	525	500	105.0	80-120
Molybdenum	anr			
Nickel	anr			
Potassium	27000	25000	108.0	80-120
Selenium	anr			
Silver	anr			
Sodium	26200	25000	104.8	80-120
Strontium	534	500	106.8	80-120
Thallium	2110	2000	105.5	80-120
Tin	anr			
Titanium	539	500	107.8	80-120
Vanadium	anr			
Zinc	530	500	106.0	80-120

Associated samples MP26880: FA12779-1, FA12779-3, FA12779-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	FA12775-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	3.70	0.00	100.0(a)	0-10
Arsenic	2.30	0.00	100.0(a)	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	4.80	0.00	100.0(a)	0-10
Cobalt	0.700	0.00	100.0(a)	0-10
Copper	anr			
Iron	3860	4050	5.1	0-10
Lead	8.30	11.0	26.4 (a)	0-10
Magnesium	anr			
Manganese	53.9	57.3	5.5	0-10
Molybdenum	anr			
Nickel	anr			
Potassium	5490	5850	0.0	0-10
Selenium	anr			
Silver	anr			
Sodium	92800	92300	4.6	0-10
Strontium	204	211	3.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	anr			
Titanium	5.20	0.00	100.0(a)	0-10
Vanadium	anr			
Zinc	146	156	6.9	0-10

Associated samples MP26880: FA12779-1, FA12779-3, FA12779-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26880
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/14

Metal	Sample ml	Final ml	FA12775-1 Raw	FA12775-1 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	3.7	3.626	111.1	0.2	5	100	107.5	80-120
Arsenic	9.8	10	2.3	2.254	104.5	0.2	5	100	102.2	80-120
Barium										
Beryllium										
Cadmium	9.8	10			52.2	0.2	2.5	50	104.4	80-120
Calcium										
Chromium	9.8	10	4.8	4.704	57.5	0.2	2.5	50	105.6	80-120
Cobalt	9.8	10	.7	.686	52.7	0.2	2.5	50	104.0	80-120
Copper										
Iron	9.8	10	3858	3780.84	6925	0.2	150	3000	104.8	80-120
Lead	9.8	10	8.3	8.526	59.8	0.2	2.5	50	102.5	80-120
Magnesium										
Manganese	9.8	10	53.9	53.214	104.4	0.2	2.5	50	102.4	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	5492	5732.02	16230	0.2	500	10000	105.0	80-120
Selenium										
Silver										
Sodium	9.8	10	92800	86465.4	100900	0.2	500	10000	144.3*(a	80-120
Strontium	9.8	10	203.8	199.724	249.2	0.2	2.5	50	99.0	80-120
Thallium	9.8	10			101.8	0.2	5	100	101.8	80-120
Tin										
Titanium	9.8	10	5.2	5.096	113.6	0.2	5	100	108.5	80-120
Vanadium										
Zinc	9.8	10	145.6	142.688	413.5	0.2	12.5	250	108.3	80-120

Associated samples MP26880: FA12779-1, FA12779-3, FA12779-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26883
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	1.0	<6.0
Arsenic	10	2	2.4		
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50		
Chromium	10	1	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	17	17	-9.4	<300
Lead	5.0	1.1	1.1	0.60	<5.0
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200	-36	<10000
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500	23.9	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2		
Tin	50	.7	1		
Titanium	10	.9	1	-0.40	<10
Vanadium	50	.5	.5		
Zinc	20	3	3		

Associated samples MP26883: FA12779-5, FA12779-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26883
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/28/14					02/28/14	
Metal	FA12653-3 Original	DUP	RPD	QC Limits	FA12653-3 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	526	500	105.2	80-120
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	51.5	50	103.0	80-120
Calcium									
Chromium	0.0	0.0	NC	0-20	0.0	214	200	107.0	80-120
Cobalt									
Copper	anr								
Iron	160	144	10.5	0-20	160	26900	26000	102.8	80-120
Lead	0.0	0.0	NC	0-20	0.0	500	500	100.0	80-120
Magnesium									
Manganese	4.6	4.7	2.2	0-20	4.6	520	500	103.1	80-120
Molybdenum									
Nickel	anr								
Potassium	1630	1720	5.4	0-20	1630	27600	25000	103.9	80-120
Selenium	anr								
Silver	anr								
Sodium	2940	3000	2.0	0-20	2940	28600	25000	102.6	80-120
Strontium	9.4	9.7	3.1	0-20	9.4	525	500	103.1	80-120
Thallium	anr								
Tin									
Titanium	6.8	5.8	15.9	0-20	6.8	519	500	102.4	80-120
Vanadium									
Zinc	anr								

Associated samples MP26883: FA12779-5, FA12779-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26883
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/14

Metal	FA12653-3 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	522	500	104.4	0.8	20
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	0.0	51.3	50	102.6	0.4	20
Calcium						
Chromium	0.0	213	200	106.5	0.5	20
Cobalt						
Copper	anr					
Iron	160	27300	26000	104.4	1.5	20
Lead	0.0	498	500	99.6	0.4	20
Magnesium						
Manganese	4.6	521	500	103.3	0.2	20
Molybdenum						
Nickel	anr					
Potassium	1630	28100	25000	105.9	1.8	20
Selenium	anr					
Silver	anr					
Sodium	2940	29300	25000	105.4	2.4	20
Strontium	9.4	533	500	104.7	1.5	20
Thallium	anr					
Tin						
Titanium	6.8	526	500	103.8	1.3	20
Vanadium						
Zinc	anr					

Associated samples MP26883: FA12779-5, FA12779-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26883
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	560	500	112.0	80-120
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	54.9	50	109.8	80-120
Calcium				
Chromium	226	200	113.0	80-120
Cobalt				
Copper	anr			
Iron	28700	26000	110.4	80-120
Lead	534	500	106.8	80-120
Magnesium				
Manganese	549	500	109.8	80-120
Molybdenum				
Nickel	anr			
Potassium	27800	25000	111.2	80-120
Selenium	anr			
Silver	anr			
Sodium	27400	25000	109.6	80-120
Strontium	549	500	109.8	80-120
Thallium	anr			
Tin				
Titanium	551	500	110.2	80-120
Vanadium				
Zinc	anr			

Associated samples MP26883: FA12779-5, FA12779-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26883
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/14

Metal	FA12653-3 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	160	95.6	40.2 (a)	0-10
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	4.60	4.40	4.3	0-10
Molybdenum				
Nickel	anr			
Potassium	1630	1470	9.3	0-10
Selenium	anr			
Silver	anr			
Sodium	2940	2790	5.0	0-10
Strontium	9.40	9.30	1.1	0-10
Thallium	anr			
Tin				
Titanium	6.80	4.80	29.4 (a)	0-10
Vanadium				
Zinc	anr			

Associated samples MP26883: FA12779-5, FA12779-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26883
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/14

Metal	Sample ml	Final ml	FA12653-3 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			108	0.2	5	100	108.0	80-120
Arsenic										
Barium										
Beryllium										
Cadmium	9.8	10			53.7	0.2	2.5	50	107.4	80-120
Calcium										
Chromium	9.8	10			55	0.2	2.5	50	110.0	80-120
Cobalt										
Copper										
Iron	9.8	10	159.8	156.604	3264	0.2	150	3000	103.6	80-120
Lead	9.8	10			50	0.2	2.5	50	100.0	80-120
Magnesium										
Manganese	9.8	10	4.6	4.508	58.3	0.2	2.5	50	107.6	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	1625	1592.5	11970	0.2	500	10000	103.8	80-120
Selenium										
Silver										
Sodium	9.8	10	2941	2882.18	13600	0.2	500	10000	107.2	80-120
Strontium	9.8	10	9.4	9.212	62.2	0.2	2.5	50	106.0	80-120
Thallium										
Tin										
Titanium	9.8	10	6.8	6.664	111.7	0.2	5	100	105.0	80-120
Vanadium										
Zinc										

Associated samples MP26883: FA12779-5, FA12779-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/04/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.029	<0.50

Associated samples MP26897: FA12779-1, FA12779-4, FA12779-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/04/14 03/04/14

Metal	FA12826-4 Original	DUP	RPD	QC Limits	FA12826-4 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.4	3	80.0	80-120

Associated samples MP26897: FA12779-1, FA12779-4, FA12779-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/04/14

Metal	FA12826-4 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.6	3	86.7	8.0	20

Associated samples MP26897: FA12779-1, FA12779-4, FA12779-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/04/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP26897: FA12779-1, FA12779-4, FA12779-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12779
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26897
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/04/14

Metal	FA12826-4 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP26897: FA12779-1, FA12779-4, FA12779-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested