Southeast ACCUTEST LABORATORIES

06/24/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita, KS

Accutest Job Number: FA15891

Sampling Date: 06/17/14

Report to:

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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.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Summary of Hits **4**
Section 3: Sample Results **6**
3.1: FA15891-1: J2-S4 7
3.2: FA15891-2: J2-S5 10
3.3: FA15891-3: J2-S6 13
3.4: FA15891-4: J2-S7 16
3.5: FA15891-5: J2-S8 23
3.6: FA15891-6: J2-S9 26
3.7: FA15891-7: J2-S10 29
3.8: FA15891-8: J2-S11 32
3.9: FA15891-9: J2-F2 35
3.10: FA15891-10: J2-F3 38
3.11: FA15891-11: DUP-1 41
3.12: FA15891-12: DUP-2 44
3.13: FA15891-13: TRIP BLANK 47
Section 4: Misc. Forms **50**
4.1: Chain of Custody 51
Section 5: GC/MS Volatiles - QC Data Summaries **55**
5.1: Method Blank Summary 56
5.2: Blank Spike Summary 66
5.3: Matrix Spike/Matrix Spike Duplicate Summary 76
Section 6: GC/MS Semi-volatiles - QC Data Summaries **86**
6.1: Method Blank Summary 87
6.2: Blank Spike Summary 90
6.3: Matrix Spike/Matrix Spike Duplicate Summary 93
Section 7: Metals Analysis - QC Data Summaries **96**
7.1: Prep QC MP27434: Hg 97
7.2: Prep QC MP27440: As,Ba,Cd,Cr,Pb,Se,Ag 102

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Sample Summary

ISI Environmental Services

Clean Harbors; Wichita, KS

Job No: FA15891

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15891-1	06/17/14	08:45	SKBG	06/18/14	SO	Soil	J2-S4
FA15891-2	06/17/14	09:00	SKBG	06/18/14	SO	Soil	J2-S5
FA15891-3	06/17/14	10:10	SKBG	06/18/14	SO	Soil	J2-S6
FA15891-4	06/17/14	13:30	SKBG	06/18/14	SO	Soil	J2-S7
FA15891-5	06/17/14	13:45	SKBG	06/18/14	SO	Soil	J2-S8
FA15891-6	06/17/14	14:10	SKBG	06/18/14	SO	Soil	J2-S9
FA15891-7	06/17/14	14:20	SKBG	06/18/14	SO	Soil	J2-S10
FA15891-8	06/17/14	14:30	SKBG	06/18/14	SO	Soil	J2-S11
FA15891-9	06/17/14	13:55	SKBG	06/18/14	SO	Soil	J2-F2
FA15891-10	06/17/14	14:40	SKBG	06/18/14	SO	Soil	J2-F3
FA15891-11	06/17/14	00:00	SKBG	06/18/14	SO	Soil	DUP-1
FA15891-12	06/17/14	00:00	SKBG	06/18/14	SO	Soil	DUP-2
FA15891-13	06/17/14	00:00	SKBG	06/18/14	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA15891
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15891-1	**J2-S4**					
Tetrachloroethylene		406	220		ug/kg	SW846 8260B
Trichloroethylene		6.3	3.6		ug/kg	SW846 8260B
FA15891-2	**J2-S5**					
cis-1,2-Dichloroethylene		33.7	3.8		ug/kg	SW846 8260B
Tetrachloroethylene		512	250		ug/kg	SW846 8260B
Trichloroethylene		29.0	3.8		ug/kg	SW846 8260B
FA15891-3	**J2-S6**					
cis-1,2-Dichloroethylene		14.2	3.8		ug/kg	SW846 8260B
Tetrachloroethylene		440	240		ug/kg	SW846 8260B
Trichloroethylene		13.9	3.8		ug/kg	SW846 8260B
FA15891-4	**J2-S7**					
cis-1,2-Dichloroethylene		61.4	3.6		ug/kg	SW846 8260B
Tetrachloroethylene		649	240		ug/kg	SW846 8260B
Trichloroethylene		14.4	3.6		ug/kg	SW846 8260B
Arsenic [a]		6.2	1.9		mg/kg	SW846 6010C
Barium [a]		241	39		mg/kg	SW846 6010C
Chromium [a]		22.0	1.9		mg/kg	SW846 6010C
Lead [a]		14.9	3.9		mg/kg	SW846 6010C
FA15891-5	**J2-S8**					
Tetrachloroethylene		38.2	4.0		ug/kg	SW846 8260B
FA15891-6	**J2-S9**					
cis-1,2-Dichloroethylene		9.4	3.6		ug/kg	SW846 8260B
Tetrachloroethylene		1150	240		ug/kg	SW846 8260B
Trichloroethylene		4.7	3.6		ug/kg	SW846 8260B
FA15891-7	**J2-S10**					
cis-1,2-Dichloroethylene		27.8	3.5		ug/kg	SW846 8260B
Tetrachloroethylene		577	220		ug/kg	SW846 8260B
Trichloroethylene		11.7	3.5		ug/kg	SW846 8260B

Summary of Hits

Job Number: FA15891
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15891-8	**J2-S11**					
Tetrachloroethylene		110	4.0		ug/kg	SW846 8260B
FA15891-9	**J2-F2**					
cis-1,2-Dichloroethylene		36.1	3.8		ug/kg	SW846 8260B
Tetrachloroethylene		121	3.8		ug/kg	SW846 8260B
Trichloroethylene		5.9	3.8		ug/kg	SW846 8260B
FA15891-10	**J2-F3**					
cis-1,2-Dichloroethylene		27.6	3.7		ug/kg	SW846 8260B
Tetrachloroethylene		53.1	3.7		ug/kg	SW846 8260B
Trichloroethylene		6.6	3.7		ug/kg	SW846 8260B
FA15891-11	**DUP-1**					
cis-1,2-Dichloroethylene		40.0	3.8		ug/kg	SW846 8260B
Tetrachloroethylene		335	220		ug/kg	SW846 8260B
Trichloroethylene		10.5	3.8		ug/kg	SW846 8260B
FA15891-12	**DUP-2**					
Tetrachloroethylene		72.5	4.1		ug/kg	SW846 8260B
FA15891-13	**TRIP BLANK**					

No hits reported in this sample.

(a) Elevated reporting limit(s) due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	J2-S4		
Lab Sample ID:	FA15891-1	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098740.D	1	06/18/14	EP	n/a	n/a	VC3962
Run #2	C0098758.D	1	06/19/14	EP	n/a	n/a	VC3963

	Initial Weight	Methanol Aliquot
Run #1	8.40 g	
Run #2	9.14 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	36	ug/kg	
107-02-8	Acrolein	ND	18	ug/kg	
107-13-1	Acrylonitrile	ND	18	ug/kg	
71-43-2	Benzene	ND	3.6	ug/kg	
108-86-1	Bromobenzene	ND	3.6	ug/kg	
74-97-5	Bromochloromethane	ND	3.6	ug/kg	
75-27-4	Bromodichloromethane	ND	3.6	ug/kg	
75-25-2	Bromoform	ND	3.6	ug/kg	
104-51-8	n-Butylbenzene	ND	3.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.6	ug/kg	
108-90-7	Chlorobenzene	ND	3.6	ug/kg	
75-00-3	Chloroethane	ND	3.6	ug/kg	
67-66-3	Chloroform	ND	3.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	18	ug/kg	
75-15-0	Carbon disulfide	ND	3.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.6	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.6	ug/kg	
124-48-1	Dibromochloromethane	ND	3.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S4		
Lab Sample ID:	FA15891-1	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.6	ug/kg	
100-41-4	Ethylbenzene	ND	3.6	ug/kg	
591-78-6	2-Hexanone	ND	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.6	ug/kg	
98-82-8	Isopropylbenzene	ND	3.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	18	ug/kg	
74-83-9	Methyl bromide	ND	3.6	ug/kg	
74-87-3	Methyl chloride	ND	3.6	ug/kg	
74-95-3	Methylene bromide	ND	3.6	ug/kg	
75-09-2	Methylene chloride	ND	7.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	18	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.6	ug/kg	
91-20-3	Naphthalene	ND	3.6	ug/kg	
103-65-1	n-Propylbenzene	ND	3.6	ug/kg	
100-42-5	Styrene	ND	3.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.6	ug/kg	
127-18-4	Tetrachloroethylene	406 [a]	220	ug/kg	
108-88-3	Toluene	ND	3.6	ug/kg	
79-01-6	Trichloroethylene	6.3	3.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.6	ug/kg	
75-01-4	Vinyl chloride	ND	3.6	ug/kg	
108-05-4	Vinyl Acetate	ND	18	ug/kg	
	m,p-Xylene	ND	7.2	ug/kg	
95-47-6	o-Xylene	ND	3.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S4		
Lab Sample ID:	FA15891-1	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	103%	75-124%
2037-26-5	Toluene-D8	103%	96%	75-126%
460-00-4	4-Bromofluorobenzene	91%	118%	71-133%
17060-07-0	1,2-Dichloroethane-D4	111%	116%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S5		
Lab Sample ID:	FA15891-2	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	80.6
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098741.D	1	06/18/14	EP	n/a	n/a	VC3962
Run #2	C0098759.D	1	06/19/14	EP	n/a	n/a	VC3963

	Initial Weight	Methanol Aliquot
Run #1	8.27 g	
Run #2	8.28 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	38	ug/kg	
107-02-8	Acrolein	ND	19	ug/kg	
107-13-1	Acrylonitrile	ND	19	ug/kg	
71-43-2	Benzene	ND	3.8	ug/kg	
108-86-1	Bromobenzene	ND	3.8	ug/kg	
74-97-5	Bromochloromethane	ND	3.8	ug/kg	
75-27-4	Bromodichloromethane	ND	3.8	ug/kg	
75-25-2	Bromoform	ND	3.8	ug/kg	
104-51-8	n-Butylbenzene	ND	3.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.8	ug/kg	
108-90-7	Chlorobenzene	ND	3.8	ug/kg	
75-00-3	Chloroethane	ND	3.8	ug/kg	
67-66-3	Chloroform	ND	3.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.8	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	19	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.8	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.8	ug/kg	
124-48-1	Dibromochloromethane	ND	3.8	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	33.7	3.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S5		
Lab Sample ID:	FA15891-2	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	80.6
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.8	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.8	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.8	ug/kg	
100-41-4	Ethylbenzene	ND	3.8	ug/kg	
591-78-6	2-Hexanone	ND	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.8	ug/kg	
98-82-8	Isopropylbenzene	ND	3.8	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	ug/kg	
74-83-9	Methyl bromide	ND	3.8	ug/kg	
74-87-3	Methyl chloride	ND	3.8	ug/kg	
74-95-3	Methylene bromide	ND	3.8	ug/kg	
75-09-2	Methylene chloride	ND	7.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.8	ug/kg	
91-20-3	Naphthalene	ND	3.8	ug/kg	
103-65-1	n-Propylbenzene	ND	3.8	ug/kg	
100-42-5	Styrene	ND	3.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.8	ug/kg	
127-18-4	Tetrachloroethylene	512 [a]	250	ug/kg	
108-88-3	Toluene	ND	3.8	ug/kg	
79-01-6	Trichloroethylene	29.0	3.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	ug/kg	
75-01-4	Vinyl chloride	ND	3.8	ug/kg	
108-05-4	Vinyl Acetate	ND	19	ug/kg	
	m,p-Xylene	ND	7.5	ug/kg	
95-47-6	o-Xylene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S5		
Lab Sample ID:	FA15891-2	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	80.6
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%	119%	75-124%
2037-26-5	Toluene-D8	107%	100%	75-126%
460-00-4	4-Bromofluorobenzene	97%	89%	71-133%
17060-07-0	1,2-Dichloroethane-D4	109%	119%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S6		
Lab Sample ID:	FA15891-3	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	83.3
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098742.D	1	06/18/14	EP	n/a	n/a	VC3962
Run #2	C0098760.D	1	06/19/14	EP	n/a	n/a	VC3963

	Initial Weight	Methanol Aliquot
Run #1	7.91 g	
Run #2	7.90 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	38	ug/kg	
107-02-8	Acrolein	ND	19	ug/kg	
107-13-1	Acrylonitrile	ND	19	ug/kg	
71-43-2	Benzene	ND	3.8	ug/kg	
108-86-1	Bromobenzene	ND	3.8	ug/kg	
74-97-5	Bromochloromethane	ND	3.8	ug/kg	
75-27-4	Bromodichloromethane	ND	3.8	ug/kg	
75-25-2	Bromoform	ND	3.8	ug/kg	
104-51-8	n-Butylbenzene	ND	3.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.8	ug/kg	
108-90-7	Chlorobenzene	ND	3.8	ug/kg	
75-00-3	Chloroethane	ND	3.8	ug/kg	
67-66-3	Chloroform	ND	3.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.8	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	19	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.8	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.8	ug/kg	
124-48-1	Dibromochloromethane	ND	3.8	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	14.2	3.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S6		
Lab Sample ID:	FA15891-3	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	83.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.8	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.8	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.8	ug/kg	
100-41-4	Ethylbenzene	ND	3.8	ug/kg	
591-78-6	2-Hexanone	ND	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.8	ug/kg	
98-82-8	Isopropylbenzene	ND	3.8	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	ug/kg	
74-83-9	Methyl bromide	ND	3.8	ug/kg	
74-87-3	Methyl chloride	ND	3.8	ug/kg	
74-95-3	Methylene bromide	ND	3.8	ug/kg	
75-09-2	Methylene chloride	ND	7.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.8	ug/kg	
91-20-3	Naphthalene	ND	3.8	ug/kg	
103-65-1	n-Propylbenzene	ND	3.8	ug/kg	
100-42-5	Styrene	ND	3.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.8	ug/kg	
127-18-4	Tetrachloroethylene	440 [a]	240	ug/kg	
108-88-3	Toluene	ND	3.8	ug/kg	
79-01-6	Trichloroethylene	13.9	3.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	ug/kg	
75-01-4	Vinyl chloride	ND	3.8	ug/kg	
108-05-4	Vinyl Acetate	ND	19	ug/kg	
	m,p-Xylene	ND	7.6	ug/kg	
95-47-6	o-Xylene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S6		
Lab Sample ID:	FA15891-3	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	83.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%	118%	75-124%
2037-26-5	Toluene-D8	101%	102%	75-126%
460-00-4	4-Bromofluorobenzene	94%	90%	71-133%
17060-07-0	1,2-Dichloroethane-D4	114%	116%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	82.2
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098743.D	1	06/18/14	EP	n/a	n/a	VC3962
Run #2	C0098761.D	1	06/19/14	EP	n/a	n/a	VC3963

	Initial Weight	Methanol Aliquot
Run #1	8.41 g	
Run #2	8.25 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	36	ug/kg	
107-02-8	Acrolein	ND	18	ug/kg	
107-13-1	Acrylonitrile	ND	18	ug/kg	
71-43-2	Benzene	ND	3.6	ug/kg	
108-86-1	Bromobenzene	ND	3.6	ug/kg	
74-97-5	Bromochloromethane	ND	3.6	ug/kg	
75-27-4	Bromodichloromethane	ND	3.6	ug/kg	
75-25-2	Bromoform	ND	3.6	ug/kg	
104-51-8	n-Butylbenzene	ND	3.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.6	ug/kg	
108-90-7	Chlorobenzene	ND	3.6	ug/kg	
75-00-3	Chloroethane	ND	3.6	ug/kg	
67-66-3	Chloroform	ND	3.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	18	ug/kg	
75-15-0	Carbon disulfide	ND	3.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.6	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.6	ug/kg	
124-48-1	Dibromochloromethane	ND	3.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	61.4	3.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	82.2
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.6	ug/kg	
100-41-4	Ethylbenzene	ND	3.6	ug/kg	
591-78-6	2-Hexanone	ND	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.6	ug/kg	
98-82-8	Isopropylbenzene	ND	3.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	18	ug/kg	
74-83-9	Methyl bromide	ND	3.6	ug/kg	
74-87-3	Methyl chloride	ND	3.6	ug/kg	
74-95-3	Methylene bromide	ND	3.6	ug/kg	
75-09-2	Methylene chloride	ND	7.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	18	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.6	ug/kg	
91-20-3	Naphthalene	ND	3.6	ug/kg	
103-65-1	n-Propylbenzene	ND	3.6	ug/kg	
100-42-5	Styrene	ND	3.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.6	ug/kg	
127-18-4	Tetrachloroethylene	649 [a]	240	ug/kg	
108-88-3	Toluene	ND	3.6	ug/kg	
79-01-6	Trichloroethylene	14.4	3.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.6	ug/kg	
75-01-4	Vinyl chloride	ND	3.6	ug/kg	
108-05-4	Vinyl Acetate	ND	18	ug/kg	
	m,p-Xylene	ND	7.2	ug/kg	
95-47-6	o-Xylene	ND	3.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	82.2
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	120%	121%	75-124%
2037-26-5	Toluene-D8	102%	103%	75-126%
460-00-4	4-Bromofluorobenzene	93%	89%	71-133%
17060-07-0	1,2-Dichloroethane-D4	127%	119%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	82.2
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T013268.D	1	06/24/14	MV	06/19/14	OP52042	ST627
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic Acid	ND	1000	ug/kg	
95-57-8	2-Chlorophenol	ND	210	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	ug/kg	
95-48-7	2-Methylphenol	ND	210	ug/kg	
	3&4-Methylphenol	ND	210	ug/kg	
88-75-5	2-Nitrophenol	ND	210	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	ug/kg	
108-95-2	Phenol	ND	210	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	ug/kg	
83-32-9	Acenaphthene	ND	210	ug/kg	
208-96-8	Acenaphthylene	ND	210	ug/kg	
62-53-3	Aniline	ND	210	ug/kg	
120-12-7	Anthracene	ND	210	ug/kg	
92-87-5	Benzidine	ND	2100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	210	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	ug/kg	
106-47-8	4-Chloroaniline	ND	210	ug/kg	
86-74-8	Carbazole	ND	210	ug/kg	
218-01-9	Chrysene	ND	210	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	82.2
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	210	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	210	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	ug/kg	
132-64-9	Dibenzofuran	ND	210	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	210	ug/kg	
84-66-2	Diethyl phthalate	ND	410	ug/kg	
131-11-3	Dimethyl phthalate	ND	210	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	ug/kg	
206-44-0	Fluoranthene	ND	210	ug/kg	
86-73-7	Fluorene	ND	210	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	ug/kg	
67-72-1	Hexachloroethane	ND	210	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	ug/kg	
78-59-1	Isophorone	ND	210	ug/kg	
90-12-0	1-Methylnaphthalene	ND	210	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	ug/kg	
88-74-4	2-Nitroaniline	ND	210	ug/kg	
99-09-2	3-Nitroaniline	ND	210	ug/kg	
100-01-6	4-Nitroaniline	ND	210	ug/kg	
91-20-3	Naphthalene	ND	210	ug/kg	
98-95-3	Nitrobenzene	ND	210	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	210	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	ug/kg	
85-01-8	Phenanthrene	ND	210	ug/kg	
129-00-0	Pyrene	ND	210	ug/kg	
110-86-1	Pyridine	ND	410	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	82.2
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		40-102%
4165-62-2	Phenol-d5	78%		41-100%
118-79-6	2,4,6-Tribromophenol	93%		42-108%
4165-60-0	Nitrobenzene-d5	77%		40-105%
321-60-8	2-Fluorobiphenyl	82%		43-107%
1718-51-0	Terphenyl-d14	98%		45-119%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S7		
Lab Sample ID:	FA15891-4	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
		Percent Solids:	82.2
Project:	Clean Harbors; Wichita, KS		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.2	1.9	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	241	39	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	< 0.78	0.78	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	22.0	1.9	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	14.9	3.9	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	< 0.048	0.048	mg/kg	1	06/19/14	06/19/14	JL	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	< 3.9	3.9	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	< 1.9	1.9	mg/kg	4	06/20/14	06/23/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11682
(2) Instrument QC Batch: MA11693
(3) Prep QC Batch: MP27434
(4) Prep QC Batch: MP27440

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	J2-S8		
Lab Sample ID:	FA15891-5	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	96.7
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098744.D	1	06/18/14	EP	n/a	n/a	VC3962
Run #2							

	Initial Weight
Run #1	6.52 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	40	ug/kg	
107-02-8	Acrolein	ND	20	ug/kg	
107-13-1	Acrylonitrile	ND	20	ug/kg	
71-43-2	Benzene	ND	4.0	ug/kg	
108-86-1	Bromobenzene	ND	4.0	ug/kg	
74-97-5	Bromochloromethane	ND	4.0	ug/kg	
75-27-4	Bromodichloromethane	ND	4.0	ug/kg	
75-25-2	Bromoform	ND	4.0	ug/kg	
104-51-8	n-Butylbenzene	ND	4.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.0	ug/kg	
75-00-3	Chloroethane	ND	4.0	ug/kg	
67-66-3	Chloroform	ND	4.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	20	ug/kg	
75-15-0	Carbon disulfide	ND	4.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.0	ug/kg	
124-48-1	Dibromochloromethane	ND	4.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S8		
Lab Sample ID:	FA15891-5	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	96.7
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	4.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	ug/kg	
591-78-6	2-Hexanone	ND	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.0	ug/kg	
98-82-8	Isopropylbenzene	ND	4.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	ug/kg	
74-83-9	Methyl bromide	ND	4.0	ug/kg	
74-87-3	Methyl chloride	ND	4.0	ug/kg	
74-95-3	Methylene bromide	ND	4.0	ug/kg	
75-09-2	Methylene chloride	ND	7.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.0	ug/kg	
91-20-3	Naphthalene	ND	4.0	ug/kg	
103-65-1	n-Propylbenzene	ND	4.0	ug/kg	
100-42-5	Styrene	ND	4.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.0	ug/kg	
127-18-4	Tetrachloroethylene	38.2	4.0	ug/kg	
108-88-3	Toluene	ND	4.0	ug/kg	
79-01-6	Trichloroethylene	ND	4.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.0	ug/kg	
75-01-4	Vinyl chloride	ND	4.0	ug/kg	
108-05-4	Vinyl Acetate	ND	20	ug/kg	
	m,p-Xylene	ND	7.9	ug/kg	
95-47-6	o-Xylene	ND	4.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S8		
Lab Sample ID:	FA15891-5	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	96.7
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	122%		75-124%
2037-26-5	Toluene-D8	102%		75-126%
460-00-4	4-Bromofluorobenzene	96%		71-133%
17060-07-0	1,2-Dichloroethane-D4	122%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S9		
Lab Sample ID:	FA15891-6	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	81.5
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0098762.D	1	06/19/14	EP	n/a	n/a	VC3963
Run #2	C0098763.D	1	06/19/14	EP	n/a	n/a	VC3963

	Initial Weight	Methanol Aliquot
Run #1	8.55 g	
Run #2	8.15 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	36	ug/kg	
107-02-8	Acrolein	ND	18	ug/kg	
107-13-1	Acrylonitrile	ND	18	ug/kg	
71-43-2	Benzene	ND	3.6	ug/kg	
108-86-1	Bromobenzene	ND	3.6	ug/kg	
74-97-5	Bromochloromethane	ND	3.6	ug/kg	
75-27-4	Bromodichloromethane	ND	3.6	ug/kg	
75-25-2	Bromoform	ND	3.6	ug/kg	
104-51-8	n-Butylbenzene	ND	3.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.6	ug/kg	
108-90-7	Chlorobenzene	ND	3.6	ug/kg	
75-00-3	Chloroethane	ND	3.6	ug/kg	
67-66-3	Chloroform	ND	3.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	18	ug/kg	
75-15-0	Carbon disulfide	ND	3.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.6	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.6	ug/kg	
124-48-1	Dibromochloromethane	ND	3.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	9.4	3.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S9		
Lab Sample ID:	FA15891-6	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	81.5
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.6	ug/kg	
100-41-4	Ethylbenzene	ND	3.6	ug/kg	
591-78-6	2-Hexanone	ND	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.6	ug/kg	
98-82-8	Isopropylbenzene	ND	3.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	18	ug/kg	
74-83-9	Methyl bromide	ND	3.6	ug/kg	
74-87-3	Methyl chloride	ND	3.6	ug/kg	
74-95-3	Methylene bromide	ND	3.6	ug/kg	
75-09-2	Methylene chloride	ND	7.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	18	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.6	ug/kg	
91-20-3	Naphthalene	ND	3.6	ug/kg	
103-65-1	n-Propylbenzene	ND	3.6	ug/kg	
100-42-5	Styrene	ND	3.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.6	ug/kg	
127-18-4	Tetrachloroethylene	1150 [a]	240	ug/kg	
108-88-3	Toluene	ND	3.6	ug/kg	
79-01-6	Trichloroethylene	4.7	3.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.6	ug/kg	
75-01-4	Vinyl chloride	ND	3.6	ug/kg	
108-05-4	Vinyl Acetate	ND	18	ug/kg	
	m,p-Xylene	ND	7.2	ug/kg	
95-47-6	o-Xylene	ND	3.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S9		
Lab Sample ID:	FA15891-6	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	81.5
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	123%	122%	75-124%
2037-26-5	Toluene-D8	101%	103%	75-126%
460-00-4	4-Bromofluorobenzene	85%	92%	71-133%
17060-07-0	1,2-Dichloroethane-D4	130%	124%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S10		
Lab Sample ID:	FA15891-7	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098746.D	1	06/18/14	EP	n/a	n/a	VC3962
Run #2	C0098764.D	1	06/19/14	EP	n/a	n/a	VC3963

	Initial Weight	Methanol Aliquot
Run #1	8.50 g	
Run #2	8.56 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	35	ug/kg	
107-02-8	Acrolein	ND	17	ug/kg	
107-13-1	Acrylonitrile	ND	17	ug/kg	
71-43-2	Benzene	ND	3.5	ug/kg	
108-86-1	Bromobenzene	ND	3.5	ug/kg	
74-97-5	Bromochloromethane	ND	3.5	ug/kg	
75-27-4	Bromodichloromethane	ND	3.5	ug/kg	
75-25-2	Bromoform	ND	3.5	ug/kg	
104-51-8	n-Butylbenzene	ND	3.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.5	ug/kg	
108-90-7	Chlorobenzene	ND	3.5	ug/kg	
75-00-3	Chloroethane	ND	3.5	ug/kg	
67-66-3	Chloroform	ND	3.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	17	ug/kg	
75-15-0	Carbon disulfide	ND	3.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.5	ug/kg	
124-48-1	Dibromochloromethane	ND	3.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	27.8	3.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.5	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S10		
Lab Sample ID:	FA15891-7	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.5	ug/kg	
100-41-4	Ethylbenzene	ND	3.5	ug/kg	
591-78-6	2-Hexanone	ND	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.5	ug/kg	
98-82-8	Isopropylbenzene	ND	3.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17	ug/kg	
74-83-9	Methyl bromide	ND	3.5	ug/kg	
74-87-3	Methyl chloride	ND	3.5	ug/kg	
74-95-3	Methylene bromide	ND	3.5	ug/kg	
75-09-2	Methylene chloride	ND	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.5	ug/kg	
91-20-3	Naphthalene	ND	3.5	ug/kg	
103-65-1	n-Propylbenzene	ND	3.5	ug/kg	
100-42-5	Styrene	ND	3.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.5	ug/kg	
127-18-4	Tetrachloroethylene	577 [a]	220	ug/kg	
108-88-3	Toluene	ND	3.5	ug/kg	
79-01-6	Trichloroethylene	11.7	3.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.5	ug/kg	
75-01-4	Vinyl chloride	ND	3.5	ug/kg	
108-05-4	Vinyl Acetate	ND	17	ug/kg	
	m,p-Xylene	ND	7.0	ug/kg	
95-47-6	o-Xylene	ND	3.5	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S10		
Lab Sample ID:	FA15891-7	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124%	124%	75-124%
2037-26-5	Toluene-D8	101%	103%	75-126%
460-00-4	4-Bromofluorobenzene	86%	85%	71-133%
17060-07-0	1,2-Dichloroethane-D4	124%	124%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S11		
Lab Sample ID:	FA15891-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0098767.D	1	06/19/14	EP	n/a	n/a	VC3963
Run #2							

	Initial Weight
Run #1	6.55 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	40	ug/kg	
107-02-8	Acrolein	ND	20	ug/kg	
107-13-1	Acrylonitrile	ND	20	ug/kg	
71-43-2	Benzene	ND	4.0	ug/kg	
108-86-1	Bromobenzene	ND	4.0	ug/kg	
74-97-5	Bromochloromethane	ND	4.0	ug/kg	
75-27-4	Bromodichloromethane	ND	4.0	ug/kg	
75-25-2	Bromoform	ND	4.0	ug/kg	
104-51-8	n-Butylbenzene	ND	4.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.0	ug/kg	
75-00-3	Chloroethane	ND	4.0	ug/kg	
67-66-3	Chloroform	ND	4.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	20	ug/kg	
75-15-0	Carbon disulfide	ND	4.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.0	ug/kg	
124-48-1	Dibromochloromethane	ND	4.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S11		
Lab Sample ID:	FA15891-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	4.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	ug/kg	
591-78-6	2-Hexanone	ND	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.0	ug/kg	
98-82-8	Isopropylbenzene	ND	4.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	ug/kg	
74-83-9	Methyl bromide	ND	4.0	ug/kg	
74-87-3	Methyl chloride	ND	4.0	ug/kg	
74-95-3	Methylene bromide	ND	4.0	ug/kg	
75-09-2	Methylene chloride	ND	8.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.0	ug/kg	
91-20-3	Naphthalene	ND	4.0	ug/kg	
103-65-1	n-Propylbenzene	ND	4.0	ug/kg	
100-42-5	Styrene	ND	4.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.0	ug/kg	
127-18-4	Tetrachloroethylene	110	4.0	ug/kg	
108-88-3	Toluene	ND	4.0	ug/kg	
79-01-6	Trichloroethylene	ND	4.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.0	ug/kg	
75-01-4	Vinyl chloride	ND	4.0	ug/kg	
108-05-4	Vinyl Acetate	ND	20	ug/kg	
	m,p-Xylene	ND	8.1	ug/kg	
95-47-6	o-Xylene	ND	4.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-S11		
Lab Sample ID:	FA15891-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124%		75-124%
2037-26-5	Toluene-D8	101%		75-126%
460-00-4	4-Bromofluorobenzene	91%		71-133%
17060-07-0	1,2-Dichloroethane-D4	119%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-F2		
Lab Sample ID:	FA15891-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064967.D	1	06/18/14	EP	n/a	n/a	VF2149
Run #2							

	Initial Weight
Run #1	7.68 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	38	ug/kg	
107-02-8	Acrolein	ND	19	ug/kg	
107-13-1	Acrylonitrile	ND	19	ug/kg	
71-43-2	Benzene	ND	3.8	ug/kg	
108-86-1	Bromobenzene	ND	3.8	ug/kg	
74-97-5	Bromochloromethane	ND	3.8	ug/kg	
75-27-4	Bromodichloromethane	ND	3.8	ug/kg	
75-25-2	Bromoform	ND	3.8	ug/kg	
104-51-8	n-Butylbenzene	ND	3.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.8	ug/kg	
108-90-7	Chlorobenzene	ND	3.8	ug/kg	
75-00-3	Chloroethane	ND	3.8	ug/kg	
67-66-3	Chloroform	ND	3.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.8	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	19	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.8	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.8	ug/kg	
124-48-1	Dibromochloromethane	ND	3.8	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	36.1	3.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-F2		
Lab Sample ID:	FA15891-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.8	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.8	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.8	ug/kg	
100-41-4	Ethylbenzene	ND	3.8	ug/kg	
591-78-6	2-Hexanone	ND	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.8	ug/kg	
98-82-8	Isopropylbenzene	ND	3.8	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	ug/kg	
74-83-9	Methyl bromide	ND	3.8	ug/kg	
74-87-3	Methyl chloride	ND	3.8	ug/kg	
74-95-3	Methylene bromide	ND	3.8	ug/kg	
75-09-2	Methylene chloride	ND	7.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.8	ug/kg	
91-20-3	Naphthalene	ND	3.8	ug/kg	
103-65-1	n-Propylbenzene	ND	3.8	ug/kg	
100-42-5	Styrene	ND	3.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.8	ug/kg	
127-18-4	Tetrachloroethylene	121	3.8	ug/kg	
108-88-3	Toluene	ND	3.8	ug/kg	
79-01-6	Trichloroethylene	5.9	3.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	ug/kg	
75-01-4	Vinyl chloride	ND	3.8	ug/kg	
108-05-4	Vinyl Acetate	ND	19	ug/kg	
	m,p-Xylene	ND	7.7	ug/kg	
95-47-6	o-Xylene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-F2		
Lab Sample ID:	FA15891-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-124%
2037-26-5	Toluene-D8	91%		75-126%
460-00-4	4-Bromofluorobenzene	98%		71-133%
17060-07-0	1,2-Dichloroethane-D4	109%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-F3		
Lab Sample ID:	FA15891-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	86.1
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064968.D	1	06/18/14	EP	n/a	n/a	VF2149
Run #2							

	Initial Weight
Run #1	7.75 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	37	ug/kg	
107-02-8	Acrolein	ND	19	ug/kg	
107-13-1	Acrylonitrile	ND	19	ug/kg	
71-43-2	Benzene	ND	3.7	ug/kg	
108-86-1	Bromobenzene	ND	3.7	ug/kg	
74-97-5	Bromochloromethane	ND	3.7	ug/kg	
75-27-4	Bromodichloromethane	ND	3.7	ug/kg	
75-25-2	Bromoform	ND	3.7	ug/kg	
104-51-8	n-Butylbenzene	ND	3.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.7	ug/kg	
108-90-7	Chlorobenzene	ND	3.7	ug/kg	
75-00-3	Chloroethane	ND	3.7	ug/kg	
67-66-3	Chloroform	ND	3.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	19	ug/kg	
75-15-0	Carbon disulfide	ND	3.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.7	ug/kg	
124-48-1	Dibromochloromethane	ND	3.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	27.6	3.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.7	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-F3		
Lab Sample ID:	FA15891-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	86.1
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.7	ug/kg	
100-41-4	Ethylbenzene	ND	3.7	ug/kg	
591-78-6	2-Hexanone	ND	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.7	ug/kg	
98-82-8	Isopropylbenzene	ND	3.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	ug/kg	
74-83-9	Methyl bromide	ND	3.7	ug/kg	
74-87-3	Methyl chloride	ND	3.7	ug/kg	
74-95-3	Methylene bromide	ND	3.7	ug/kg	
75-09-2	Methylene chloride	ND	7.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.7	ug/kg	
91-20-3	Naphthalene	ND	3.7	ug/kg	
103-65-1	n-Propylbenzene	ND	3.7	ug/kg	
100-42-5	Styrene	ND	3.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.7	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.7	ug/kg	
127-18-4	Tetrachloroethylene	53.1	3.7	ug/kg	
108-88-3	Toluene	ND	3.7	ug/kg	
79-01-6	Trichloroethylene	6.6	3.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.7	ug/kg	
75-01-4	Vinyl chloride	ND	3.7	ug/kg	
108-05-4	Vinyl Acetate	ND	19	ug/kg	
	m,p-Xylene	ND	7.5	ug/kg	
95-47-6	o-Xylene	ND	3.7	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	J2-F3		
Lab Sample ID:	FA15891-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	86.1
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-124%
2037-26-5	Toluene-D8	93%		75-126%
460-00-4	4-Bromofluorobenzene	107%		71-133%
17060-07-0	1,2-Dichloroethane-D4	108%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-11	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064969.D	1	06/18/14	EP	n/a	n/a	VF2149
Run #2	F0064991.D	1	06/19/14	EP	n/a	n/a	VF2150

	Initial Weight	Methanol Aliquot
Run #1	7.85 g	
Run #2	8.59 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	38	ug/kg	
107-02-8	Acrolein	ND	19	ug/kg	
107-13-1	Acrylonitrile	ND	19	ug/kg	
71-43-2	Benzene	ND	3.8	ug/kg	
108-86-1	Bromobenzene	ND	3.8	ug/kg	
74-97-5	Bromochloromethane	ND	3.8	ug/kg	
75-27-4	Bromodichloromethane	ND	3.8	ug/kg	
75-25-2	Bromoform	ND	3.8	ug/kg	
104-51-8	n-Butylbenzene	ND	3.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.8	ug/kg	
108-90-7	Chlorobenzene	ND	3.8	ug/kg	
75-00-3	Chloroethane	ND	3.8	ug/kg	
67-66-3	Chloroform	ND	3.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	3.8	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	19	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3.8	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3.8	ug/kg	
124-48-1	Dibromochloromethane	ND	3.8	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	40.0	3.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-11	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	3.8	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3.8	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.8	ug/kg	
100-41-4	Ethylbenzene	ND	3.8	ug/kg	
591-78-6	2-Hexanone	ND	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.8	ug/kg	
98-82-8	Isopropylbenzene	ND	3.8	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	ug/kg	
74-83-9	Methyl bromide	ND	3.8	ug/kg	
74-87-3	Methyl chloride	ND	3.8	ug/kg	
74-95-3	Methylene bromide	ND	3.8	ug/kg	
75-09-2	Methylene chloride	ND	7.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3.8	ug/kg	
91-20-3	Naphthalene	ND	3.8	ug/kg	
103-65-1	n-Propylbenzene	ND	3.8	ug/kg	
100-42-5	Styrene	ND	3.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.8	ug/kg	
127-18-4	Tetrachloroethylene	335 [a]	220	ug/kg	
108-88-3	Toluene	ND	3.8	ug/kg	
79-01-6	Trichloroethylene	10.5	3.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	ug/kg	
75-01-4	Vinyl chloride	ND	3.8	ug/kg	
108-05-4	Vinyl Acetate	ND	19	ug/kg	
	m,p-Xylene	ND	7.6	ug/kg	
95-47-6	o-Xylene	ND	3.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-11	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	93%	75-124%
2037-26-5	Toluene-D8	99%	101%	75-126%
460-00-4	4-Bromofluorobenzene	104%	106%	71-133%
17060-07-0	1,2-Dichloroethane-D4	107%	97%	72-135%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-12	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064970.D	1	06/18/14	EP	n/a	n/a	VF2149
Run #2							

	Initial Weight
Run #1	6.53 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	41	ug/kg	
107-02-8	Acrolein	ND	20	ug/kg	
107-13-1	Acrylonitrile	ND	20	ug/kg	
71-43-2	Benzene	ND	4.1	ug/kg	
108-86-1	Bromobenzene	ND	4.1	ug/kg	
74-97-5	Bromochloromethane	ND	4.1	ug/kg	
75-27-4	Bromodichloromethane	ND	4.1	ug/kg	
75-25-2	Bromoform	ND	4.1	ug/kg	
104-51-8	n-Butylbenzene	ND	4.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.1	ug/kg	
75-00-3	Chloroethane	ND	4.1	ug/kg	
67-66-3	Chloroform	ND	4.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	20	ug/kg	
75-15-0	Carbon disulfide	ND	4.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.1	ug/kg	
124-48-1	Dibromochloromethane	ND	4.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.1	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-12	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	4.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.1	ug/kg	
591-78-6	2-Hexanone	ND	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.1	ug/kg	
98-82-8	Isopropylbenzene	ND	4.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	ug/kg	
74-83-9	Methyl bromide	ND	4.1	ug/kg	
74-87-3	Methyl chloride	ND	4.1	ug/kg	
74-95-3	Methylene bromide	ND	4.1	ug/kg	
75-09-2	Methylene chloride	ND	8.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.1	ug/kg	
91-20-3	Naphthalene	ND	4.1	ug/kg	
103-65-1	n-Propylbenzene	ND	4.1	ug/kg	
100-42-5	Styrene	ND	4.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.1	ug/kg	
127-18-4	Tetrachloroethylene	72.5	4.1	ug/kg	
108-88-3	Toluene	ND	4.1	ug/kg	
79-01-6	Trichloroethylene	ND	4.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.1	ug/kg	
75-01-4	Vinyl chloride	ND	4.1	ug/kg	
108-05-4	Vinyl Acetate	ND	20	ug/kg	
	m,p-Xylene	ND	8.1	ug/kg	
95-47-6	o-Xylene	ND	4.1	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-12	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	94.3
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-124%
2037-26-5	Toluene-D8	93%		75-126%
460-00-4	4-Bromofluorobenzene	102%		71-133%
17060-07-0	1,2-Dichloroethane-D4	102%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-13	**Date Sampled:**	06/17/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/18/14
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	F0064971.D	1	06/18/14	EP	n/a	n/a	VF2149
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/kg	
107-02-8	Acrolein	ND	25	ug/kg	
107-13-1	Acrylonitrile	ND	25	ug/kg	
71-43-2	Benzene	ND	5.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-13	**Date Sampled:**	06/17/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/18/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	5.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	ug/kg	
74-83-9	Methyl bromide	ND	5.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	ug/kg	
	m,p-Xylene	ND	10	ug/kg	
95-47-6	o-Xylene	ND	5.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates 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:	FA15891-13	**Date Sampled:**	06/17/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/18/14
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	92%		75-124%
2037-26-5	Toluene-D8	91%		75-126%
460-00-4	4-Bromofluorobenzene	102%		71-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates 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 # FA15891 PAGE 1 OF 4 2

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: bgerber@isienvironmental.com
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Stuart Klaus / Brady Gerber

Project Information

Project Name: Clean Harbors - Wichita KS
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	NaOH	NaOH+ZnAc	DI Water	MeOH	VOC's	SVOC's	RCRA 8 metals										Lab Use Only
1	J2-S4	6-17-14	0945	BG	SO	4		X						X	X	X												
2	J2-S5	6-17-14	0900	BG	SO	4		X						X	X	X												
3	J2-S6	6-17-14	1010	BG	SO	4		X						X	X	X												
4	J2-S7	6-17-14	1330	BG	SO	5		X						X	X	X	X	X										
5	J2-S8	6-17-14	1345	BG	SO	4		X						X	X	X												
6	J2-S9	6-17-14	1410	BG	SO	4		X						X	X	X												
7	J2-S10	6-17-14	1420	BG	SO	4		X						X	X	X												
8	J2-S11	6-17-14	1430	BG	SO	4		X						X	X	X												
9	J2-F2	6-17-14	1355	BG	SO	4		X						X	X	X												
10	J2-F3	6-17-14	1440	BG	SO	4		X						X	X	X												
11	Dup-1	6-17-14		BG	SO	4		X						X	X	X												
12	Dup-2	6-17-14		BG	SO	4		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 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [x] 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	6-17-14/1700	2 FP	3 FP 06.18.14	915	4 [illegible]
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

FA15891: Chain of Custody
Page 1 of 4

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 # FA15891 PAGE 2 OF 2

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#: 316-264-7050
Sampler(s) Name(s) (Printed): Stuart Klaus / Brady Gerber

Project Information

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

Analytical Information

VOCs

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	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	Container Information: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	VOCs											LAB USE ONLY
13	Trip Blank	6-17-14				3								X	X	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

- ☐ 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	6-17-14/1700	2 FP	3 FP 06/18-14	4 915	4 [illegible]
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

FA15891: Chain of Custody
Page 2 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15891 CLIENT: FSI PROJECT: Clean Harbor's

DATE/TIME RECEIVED: 06-18-14 915 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8055 3264 5634

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? 12

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 1.6
- [ ] CORRECTED TEMPS: 2.0

SAMPLE INFORMATION

- [ ] 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
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE RW 061814 REVIEWER SIGNATURE/DATE JC 6-18-14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15891: Chain of Custody

Page 3 of 4

FA15891: 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: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3962-MB	C098739.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

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

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3962-MB	C098739.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	ug/kg	
74-83-9	Methyl bromide	ND	5.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	ug/kg	
	m,p-Xylene	ND	10	ug/kg	
95-47-6	o-Xylene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3962-MB	C098739.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	116%	75-124%
2037-26-5	Toluene-D8	97%	75-126%
460-00-4	4-Bromofluorobenzene	91%	71-133%
17060-07-0	1,2-Dichloroethane-D4	105%	72-135%

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2149-MB	F0064966.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

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

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2149-MB	F0064966.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	ug/kg	
74-83-9	Methyl bromide	ND	5.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	ug/kg	
	m,p-Xylene	ND	10	ug/kg	
95-47-6	o-Xylene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2149-MB	F0064966.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	75-124%
2037-26-5	Toluene-D8	96%	75-126%
460-00-4	4-Bromofluorobenzene	102%	71-133%
17060-07-0	1,2-Dichloroethane-D4	98%	72-135%

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3963-MB	C0098757.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

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

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3963-MB	C0098757.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	ug/kg	
74-83-9	Methyl bromide	ND	5.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	ug/kg	
	m,p-Xylene	ND	10	ug/kg	
95-47-6	o-Xylene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3963-MB	C0098757.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	121%	75-124%
2037-26-5	Toluene-D8	99%	75-126%
460-00-4	4-Bromofluorobenzene	90%	71-133%
17060-07-0	1,2-Dichloroethane-D4	114%	72-135%

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2150-MB	F0064990.D	1	06/19/14	EP	n/a	n/a	VF2150

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

FA15891-11

CAS No.	Compound	Result	RL	Units	Q
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	75-124%
2037-26-5	Toluene-D8	95%	75-126%
460-00-4	4-Bromofluorobenzene	104%	71-133%
17060-07-0	1,2-Dichloroethane-D4	101%	72-135%

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3962-BS	C098738.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	246	98	61-152
107-02-8	Acrolein	250	275	110	48-178
107-13-1	Acrylonitrile	250	240	96	66-134
71-43-2	Benzene	50	51.8	104	76-126
108-86-1	Bromobenzene	50	55.7	111	76-122
74-97-5	Bromochloromethane	50	51.0	102	77-120
75-27-4	Bromodichloromethane	50	53.5	107	74-130
75-25-2	Bromoform	50	54.7	109	76-127
104-51-8	n-Butylbenzene	50	53.5	107	71-128
135-98-8	sec-Butylbenzene	50	60.5	121	79-135
98-06-6	tert-Butylbenzene	50	62.3	125	77-133
108-90-7	Chlorobenzene	50	57.9	116	81-129
75-00-3	Chloroethane	50	42.8	86	68-133
67-66-3	Chloroform	50	48.2	96	72-123
95-49-8	o-Chlorotoluene	50	56.8	114	77-129
106-43-4	p-Chlorotoluene	50	58.7	117	80-134
110-75-8	2-Chloroethyl vinyl ether	250	258	103	45-159
75-15-0	Carbon disulfide	50	48.3	97	72-122
56-23-5	Carbon tetrachloride	50	49.1	98	78-133
75-34-3	1,1-Dichloroethane	50	46.1	92	73-125
75-35-4	1,1-Dichloroethylene	50	47.5	95	81-136
563-58-6	1,1-Dichloropropene	50	56.1	112	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	53.2	106	70-137
106-93-4	1,2-Dibromoethane	50	57.3	115	77-126
107-06-2	1,2-Dichloroethane	50	52.4	105	74-128
78-87-5	1,2-Dichloropropane	50	53.2	106	74-125
142-28-9	1,3-Dichloropropane	50	55.8	112	76-122
594-20-7	2,2-Dichloropropane	50	48.8	98	77-133
124-48-1	Dibromochloromethane	50	56.2	112	76-127
75-71-8	Dichlorodifluoromethane	50	45.2	90	68-168
156-59-2	cis-1,2-Dichloroethylene	50	53.4	107	74-126
10061-01-5	cis-1,3-Dichloropropene	50	54.5	109	80-123
541-73-1	m-Dichlorobenzene	50	57.8	116	81-129
95-50-1	o-Dichlorobenzene	50	57.4	115	80-129
106-46-7	p-Dichlorobenzene	50	53.2	106	76-130
156-60-5	trans-1,2-Dichloroethylene	50	47.3	95	70-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3962-BS	C098738.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	60.9	122	75-131
100-41-4	Ethylbenzene	50	54.0	108	77-123
591-78-6	2-Hexanone	250	279	112	72-133
87-68-3	Hexachlorobutadiene	50	50.4	101	74-136
98-82-8	Isopropylbenzene	50	60.2	120	80-136
99-87-6	p-Isopropyltoluene	50	59.3	119	77-131
108-10-1	4-Methyl-2-pentanone	250	265	106	76-132
74-83-9	Methyl bromide	50	41.5	83	65-139
74-87-3	Methyl chloride	50	48.8	98	71-144
74-95-3	Methylene bromide	50	51.6	103	74-124
75-09-2	Methylene chloride	50	47.4	95	74-137
78-93-3	Methyl ethyl ketone	250	252	101	75-137
1634-04-4	Methyl Tert Butyl Ether	50	45.9	92	77-120
91-20-3	Naphthalene	50	55.2	110	79-129
103-65-1	n-Propylbenzene	50	58.3	117	80-135
100-42-5	Styrene	50	56.0	112	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	54.1	108	78-126
71-55-6	1,1,1-Trichloroethane	50	49.1	98	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	55.1	110	71-126
79-00-5	1,1,2-Trichloroethane	50	54.6	109	74-124
87-61-6	1,2,3-Trichlorobenzene	50	52.1	104	77-128
96-18-4	1,2,3-Trichloropropane	50	53.4	107	74-127
120-82-1	1,2,4-Trichlorobenzene	50	53.4	107	78-130
95-63-6	1,2,4-Trimethylbenzene	50	53.6	107	74-123
108-67-8	1,3,5-Trimethylbenzene	50	54.4	109	73-122
127-18-4	Tetrachloroethylene	50	55.1	110	79-130
108-88-3	Toluene	50	54.8	110	76-124
79-01-6	Trichloroethylene	50	52.0	104	75-128
75-69-4	Trichlorofluoromethane	50	42.6	85	73-145
75-01-4	Vinyl chloride	50	47.4	95	76-141
108-05-4	Vinyl Acetate	250	188	75	48-164
	m,p-Xylene	100	110	110	80-128
95-47-6	o-Xylene	50	60.0	120	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3962-BS	C098738.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	75-124%
2037-26-5	Toluene-D8	102%	75-126%
460-00-4	4-Bromofluorobenzene	100%	71-133%
17060-07-0	1,2-Dichloroethane-D4	93%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2149-BS	F0064965.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	275	110	61-152
107-02-8	Acrolein	250	277	111	48-178
107-13-1	Acrylonitrile	250	259	104	66-134
71-43-2	Benzene	50	54.5	109	76-126
108-86-1	Bromobenzene	50	53.9	108	76-122
74-97-5	Bromochloromethane	50	52.7	105	77-120
75-27-4	Bromodichloromethane	50	56.6	113	74-130
75-25-2	Bromoform	50	55.9	112	76-127
104-51-8	n-Butylbenzene	50	50.5	101	71-128
135-98-8	sec-Butylbenzene	50	58.7	117	79-135
98-06-6	tert-Butylbenzene	50	56.6	113	77-133
108-90-7	Chlorobenzene	50	57.6	115	81-129
75-00-3	Chloroethane	50	56.6	113	68-133
67-66-3	Chloroform	50	54.8	110	72-123
95-49-8	o-Chlorotoluene	50	57.6	115	77-129
106-43-4	p-Chlorotoluene	50	56.9	114	80-134
110-75-8	2-Chloroethyl vinyl ether	250	280	112	45-159
75-15-0	Carbon disulfide	50	58.8	118	72-122
56-23-5	Carbon tetrachloride	50	60.1	120	78-133
75-34-3	1,1-Dichloroethane	50	53.7	107	73-125
75-35-4	1,1-Dichloroethylene	50	56.1	112	81-136
563-58-6	1,1-Dichloropropene	50	57.8	116	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	53.1	106	70-137
106-93-4	1,2-Dibromoethane	50	56.5	113	77-126
107-06-2	1,2-Dichloroethane	50	54.8	110	74-128
78-87-5	1,2-Dichloropropane	50	54.3	109	74-125
142-28-9	1,3-Dichloropropane	50	54.2	108	76-122
594-20-7	2,2-Dichloropropane	50	59.4	119	77-133
124-48-1	Dibromochloromethane	50	55.3	111	76-127
75-71-8	Dichlorodifluoromethane	50	51.7	103	68-168
156-59-2	cis-1,2-Dichloroethylene	50	55.4	111	74-126
10061-01-5	cis-1,3-Dichloropropene	50	56.0	112	80-123
541-73-1	m-Dichlorobenzene	50	59.0	118	81-129
95-50-1	o-Dichlorobenzene	50	55.8	112	80-129
106-46-7	p-Dichlorobenzene	50	53.1	106	76-130
156-60-5	trans-1,2-Dichloroethylene	50	55.0	110	70-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2149-BS	F0064965.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	59.0	118	75-131
100-41-4	Ethylbenzene	50	54.5	109	77-123
591-78-6	2-Hexanone	250	258	103	72-133
87-68-3	Hexachlorobutadiene	50	55.3	111	74-136
98-82-8	Isopropylbenzene	50	60.0	120	80-136
99-87-6	p-Isopropyltoluene	50	57.0	114	77-131
108-10-1	4-Methyl-2-pentanone	250	253	101	76-132
74-83-9	Methyl bromide	50	58.1	116	65-139
74-87-3	Methyl chloride	50	55.5	111	71-144
74-95-3	Methylene bromide	50	56.5	113	74-124
75-09-2	Methylene chloride	50	53.3	107	74-137
78-93-3	Methyl ethyl ketone	250	261	104	75-137
1634-04-4	Methyl Tert Butyl Ether	50	53.0	106	77-120
91-20-3	Naphthalene	50	55.6	111	79-129
103-65-1	n-Propylbenzene	50	58.6	117	80-135
100-42-5	Styrene	50	56.3	113	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	53.3	107	78-126
71-55-6	1,1,1-Trichloroethane	50	55.7	111	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	54.4	109	71-126
79-00-5	1,1,2-Trichloroethane	50	52.6	105	74-124
87-61-6	1,2,3-Trichlorobenzene	50	52.6	105	77-128
96-18-4	1,2,3-Trichloropropane	50	54.8	110	74-127
120-82-1	1,2,4-Trichlorobenzene	50	52.9	106	78-130
95-63-6	1,2,4-Trimethylbenzene	50	53.3	107	74-123
108-67-8	1,3,5-Trimethylbenzene	50	53.6	107	73-122
127-18-4	Tetrachloroethylene	50	52.1	104	79-130
108-88-3	Toluene	50	53.1	106	76-124
79-01-6	Trichloroethylene	50	54.4	109	75-128
75-69-4	Trichlorofluoromethane	50	56.8	114	73-145
75-01-4	Vinyl chloride	50	53.6	107	76-141
108-05-4	Vinyl Acetate	250	219	88	48-164
	m,p-Xylene	100	111	111	80-128
95-47-6	o-Xylene	50	56.3	113	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2149-BS	F0064965.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	75-124%
2037-26-5	Toluene-D8	92%	75-126%
460-00-4	4-Bromofluorobenzene	96%	71-133%
17060-07-0	1,2-Dichloroethane-D4	94%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3963-BS	C0098756.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	249	100	61-152
107-02-8	Acrolein	250	256	102	48-178
107-13-1	Acrylonitrile	250	231	92	66-134
71-43-2	Benzene	50	53.0	106	76-126
108-86-1	Bromobenzene	50	54.8	110	76-122
74-97-5	Bromochloromethane	50	50.3	101	77-120
75-27-4	Bromodichloromethane	50	55.3	111	74-130
75-25-2	Bromoform	50	53.6	107	76-127
104-51-8	n-Butylbenzene	50	55.7	111	71-128
135-98-8	sec-Butylbenzene	50	61.9	124	79-135
98-06-6	tert-Butylbenzene	50	64.2	128	77-133
108-90-7	Chlorobenzene	50	58.0	116	81-129
75-00-3	Chloroethane	50	48.4	97	68-133
67-66-3	Chloroform	50	52.3	105	72-123
95-49-8	o-Chlorotoluene	50	59.7	119	77-129
106-43-4	p-Chlorotoluene	50	60.4	121	80-134
110-75-8	2-Chloroethyl vinyl ether	250	246	98	45-159
75-15-0	Carbon disulfide	50	52.2	104	72-122
56-23-5	Carbon tetrachloride	50	55.0	110	78-133
75-34-3	1,1-Dichloroethane	50	48.8	98	73-125
75-35-4	1,1-Dichloroethylene	50	52.8	106	81-136
563-58-6	1,1-Dichloropropene	50	57.9	116	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	51.9	104	70-137
106-93-4	1,2-Dibromoethane	50	54.1	108	77-126
107-06-2	1,2-Dichloroethane	50	57.6	115	74-128
78-87-5	1,2-Dichloropropane	50	54.8	110	74-125
142-28-9	1,3-Dichloropropane	50	54.4	109	76-122
594-20-7	2,2-Dichloropropane	50	51.2	102	77-133
124-48-1	Dibromochloromethane	50	55.5	111	76-127
75-71-8	Dichlorodifluoromethane	50	53.2	106	68-168
156-59-2	cis-1,2-Dichloroethylene	50	54.4	109	74-126
10061-01-5	cis-1,3-Dichloropropene	50	55.1	110	80-123
541-73-1	m-Dichlorobenzene	50	59.6	119	81-129
95-50-1	o-Dichlorobenzene	50	58.3	117	80-129
106-46-7	p-Dichlorobenzene	50	54.5	109	76-130
156-60-5	trans-1,2-Dichloroethylene	50	50.4	101	70-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3963-BS	C0098756.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	60.0	120	75-131
100-41-4	Ethylbenzene	50	54.1	108	77-123
591-78-6	2-Hexanone	250	262	105	72-133
87-68-3	Hexachlorobutadiene	50	52.6	105	74-136
98-82-8	Isopropylbenzene	50	60.0	120	80-136
99-87-6	p-Isopropyltoluene	50	61.9	124	77-131
108-10-1	4-Methyl-2-pentanone	250	259	104	76-132
74-83-9	Methyl bromide	50	47.6	95	65-139
74-87-3	Methyl chloride	50	52.2	104	71-144
74-95-3	Methylene bromide	50	53.7	107	74-124
75-09-2	Methylene chloride	50	62.8	126	74-137
78-93-3	Methyl ethyl ketone	250	253	101	75-137
1634-04-4	Methyl Tert Butyl Ether	50	48.3	97	77-120
91-20-3	Naphthalene	50	56.9	114	79-129
103-65-1	n-Propylbenzene	50	59.7	119	80-135
100-42-5	Styrene	50	55.8	112	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	57.0	114	78-126
71-55-6	1,1,1-Trichloroethane	50	53.9	108	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	54.9	110	71-126
79-00-5	1,1,2-Trichloroethane	50	52.4	105	74-124
87-61-6	1,2,3-Trichlorobenzene	50	54.3	109	77-128
96-18-4	1,2,3-Trichloropropane	50	52.8	106	74-127
120-82-1	1,2,4-Trichlorobenzene	50	55.9	112	78-130
95-63-6	1,2,4-Trimethylbenzene	50	55.9	112	74-123
108-67-8	1,3,5-Trimethylbenzene	50	56.0	112	73-122
127-18-4	Tetrachloroethylene	50	51.9	104	79-130
108-88-3	Toluene	50	54.2	108	76-124
79-01-6	Trichloroethylene	50	55.1	110	75-128
75-69-4	Trichlorofluoromethane	50	50.3	101	73-145
75-01-4	Vinyl chloride	50	50.3	101	76-141
108-05-4	Vinyl Acetate	250	193	77	48-164
	m,p-Xylene	100	115	115	80-128
95-47-6	o-Xylene	50	61.4	123	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3963-BS	C0098756.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	75-124%
2037-26-5	Toluene-D8	100%	75-126%
460-00-4	4-Bromofluorobenzene	95%	71-133%
17060-07-0	1,2-Dichloroethane-D4	105%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2150-BS	F0064989.D	1	06/19/14	EP	n/a	n/a	VF2150

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

FA15891-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
127-18-4	Tetrachloroethylene	50	51.3	103	79-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	75-124%
2037-26-5	Toluene-D8	93%	75-126%
460-00-4	4-Bromofluorobenzene	94%	71-133%
17060-07-0	1,2-Dichloroethane-D4	94%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-1MS	C098748.D	1	06/18/14	EP	n/a	n/a	VC3962
FA15891-1MSD	C098749.D	1	06/18/14	EP	n/a	n/a	VC3962
FA15891-1	C098740.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Compound	FA15891-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		352	340	97	346	330	95	3	61-152/27
107-02-8	Acrolein	ND		352	282	80	346	244	71	14	48-178/37
107-13-1	Acrylonitrile	ND		352	606	172*	346	324	94	61*	66-134/26
71-43-2	Benzene	ND		70.5	67.0	95	69.2	66.2	96	1	76-126/26
108-86-1	Bromobenzene	ND		70.5	64.7	92	69.2	65.6	95	1	76-122/32
74-97-5	Bromochloromethane	ND		70.5	66.0	94	69.2	63.3	92	4	77-120/24
75-27-4	Bromodichloromethane	ND		70.5	70.3	100	69.2	69.7	101	1	74-130/25
75-25-2	Bromoform	ND		70.5	71.5	101	69.2	66.3	96	8	76-127/26
104-51-8	n-Butylbenzene	ND		70.5	60.3	86	69.2	61.0	88	1	71-128/35
135-98-8	sec-Butylbenzene	ND		70.5	67.3	96	69.2	70.3	102	4	79-135/34
98-06-6	tert-Butylbenzene	ND		70.5	70.5	100	69.2	71.9	104	2	77-133/34
108-90-7	Chlorobenzene	ND		70.5	70.2	100	69.2	68.0	98	3	81-129/29
75-00-3	Chloroethane	ND		70.5	59.8	85	69.2	64.7	94	8	68-133/29
67-66-3	Chloroform	ND		70.5	66.7	95	69.2	66.2	96	1	72-123/26
95-49-8	o-Chlorotoluene	ND		70.5	68.2	97	69.2	68.5	99	0	77-129/33
106-43-4	p-Chlorotoluene	ND		70.5	69.3	98	69.2	68.1	98	2	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		352	316	90	346	296	86	7	45-159/26
75-15-0	Carbon disulfide	ND		70.5	62.2	88	69.2	67.0	97	7	72-122/29
56-23-5	Carbon tetrachloride	ND		70.5	67.6	96	69.2	67.8	98	0	78-133/29
75-34-3	1,1-Dichloroethane	ND		70.5	63.9	91	69.2	62.7	91	2	73-125/27
75-35-4	1,1-Dichloroethylene	ND		70.5	63.9	91	69.2	66.7	96	4	81-136/28
563-58-6	1,1-Dichloropropene	ND		70.5	67.2	95	69.2	64.6	93	4	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		70.5	66.7	95	69.2	68.6	99	3	70-137/29
106-93-4	1,2-Dibromoethane	ND		70.5	67.2	95	69.2	63.0	91	6	77-126/26
107-06-2	1,2-Dichloroethane	ND		70.5	75.9	108	69.2	71.9	104	5	74-128/23
78-87-5	1,2-Dichloropropane	ND		70.5	66.8	95	69.2	64.0	93	4	74-125/25
142-28-9	1,3-Dichloropropane	ND		70.5	66.9	95	69.2	64.2	93	4	76-122/26
594-20-7	2,2-Dichloropropane	ND		70.5	65.1	92	69.2	62.9	91	3	77-133/28
124-48-1	Dibromochloromethane	ND		70.5	69.8	99	69.2	67.6	98	3	76-127/27
75-71-8	Dichlorodifluoromethane	ND		70.5	52.8	75	69.2	57.5	83	9	68-168/29
156-59-2	cis-1,2-Dichloroethylene	3.5		70.5	66.8	90	69.2	66.9	92	0	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		70.5	68.1	97	69.2	64.7	94	5	80-123/26
541-73-1	m-Dichlorobenzene	ND		70.5	68.6	97	69.2	66.8	97	3	81-129/33
95-50-1	o-Dichlorobenzene	ND		70.5	67.1	95	69.2	66.2	96	1	80-129/32
106-46-7	p-Dichlorobenzene	ND		70.5	64.9	92	69.2	62.8	91	3	76-130/32
156-60-5	trans-1,2-Dichloroethylene	ND		70.5	64.6	92	69.2	63.5	92	2	70-127/27

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-1MS	C098748.D	1	06/18/14	EP	n/a	n/a	VC3962
FA15891-1MSD	C098749.D	1	06/18/14	EP	n/a	n/a	VC3962
FA15891-1	C098740.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Compound	FA15891-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		70.5	72.6	103	69.2	67.0	97	8	75-131/28
100-41-4	Ethylbenzene	ND		70.5	67.1	95	69.2	65.8	95	2	77-123/31
591-78-6	2-Hexanone	ND		352	356	101	346	313	90	13	72-133/26
87-68-3	Hexachlorobutadiene	ND		70.5	47.3	67*	69.2	51.3	74	8	74-136/38
98-82-8	Isopropylbenzene	ND		70.5	71.2	101	69.2	72.2	104	1	80-136/32
99-87-6	p-Isopropyltoluene	ND		70.5	67.2	95	69.2	69.1	100	3	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		352	367	104	346	334	97	9	76-132/26
74-83-9	Methyl bromide	ND		70.5	59.0	84	69.2	65.2	94	10	65-139/31
74-87-3	Methyl chloride	ND		70.5	60.4	86	69.2	67.8	98	12	71-144/27
74-95-3	Methylene bromide	ND		70.5	67.8	96	69.2	66.0	95	3	74-124/24
75-09-2	Methylene chloride	ND		70.5	79.1	112	69.2	77.8	112	2	74-137/28
78-93-3	Methyl ethyl ketone	ND		352	321	91	346	318	92	1	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		70.5	63.8	91	69.2	65.2	94	2	77-120/24
91-20-3	Naphthalene	ND		70.5	63.1	90	69.2	62.7	91	1	79-129/33
103-65-1	n-Propylbenzene	ND		70.5	68.6	97	69.2	70.3	102	2	80-135/33
100-42-5	Styrene	ND		70.5	66.5	94	69.2	65.9	95	1	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		70.5	70.5	100	69.2	70.0	101	1	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		70.5	68.0	97	69.2	70.0	101	3	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		70.5	69.9	99	69.2	69.2	100	1	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		70.5	66.0	94	69.2	63.5	92	4	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		70.5	55.4	79	69.2	56.1	81	1	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		70.5	72.5	103	69.2	71.5	103	1	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		70.5	57.0	81	69.2	57.9	84	2	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		70.5	65.7	93	69.2	67.4	97	3	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		70.5	66.1	94	69.2	67.9	98	3	73-122/33
127-18-4	Tetrachloroethylene	268	E	70.5	128	-199* [a]	69.2	178	-130* [a]	33*	79-130/31
108-88-3	Toluene	ND		70.5	65.0	92	69.2	63.6	92	2	76-124/30
79-01-6	Trichloroethylene	6.3		70.5	69.3	89	69.2	67.9	89	2	75-128/27
75-69-4	Trichlorofluoromethane	ND		70.5	57.6	82	69.2	60.3	87	5	73-145/31
75-01-4	Vinyl chloride	ND		70.5	56.7	80	69.2	64.6	93	13	76-141/27
108-05-4	Vinyl Acetate	ND		352	142	40*	346	117	34*	19	48-164/37
	m,p-Xylene	ND		141	140	99	138	138	100	1	80-128/30
95-47-6	o-Xylene	ND		70.5	71.9	102	69.2	71.6	104	0	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-1MS	C098748.D	1	06/18/14	EP	n/a	n/a	VC3962
FA15891-1MSD	C098749.D	1	06/18/14	EP	n/a	n/a	VC3962
FA15891-1	C098740.D	1	06/18/14	EP	n/a	n/a	VC3962

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-5, FA15891-7

CAS No.	Surrogate Recoveries	MS	MSD	FA15891-1	Limits
1868-53-7	Dibromofluoromethane	103%	103%	111%	75-124%
2037-26-5	Toluene-D8	96%	96%	103%	75-126%
460-00-4	4-Bromofluorobenzene	91%	94%	91%	71-133%
17060-07-0	1,2-Dichloroethane-D4	111%	106%	111%	72-135%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-9MS	F0064972.D	1	06/18/14	EP	n/a	n/a	VF2149
FA15891-9MSD	F0064973.D	1	06/18/14	EP	n/a	n/a	VF2149
FA15891-9	F0064967.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Compound	FA15891-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		306	311	102	298	329	110	6	61-152/27
107-02-8	Acrolein	ND		306	216	71	298	178	60	19	48-178/37
107-13-1	Acrylonitrile	ND		306	294	96	298	291	98	1	66-134/26
71-43-2	Benzene	ND		61.1	52.1	85	59.6	53.4	90	2	76-126/26
108-86-1	Bromobenzene	ND		61.1	52.1	85	59.6	50.6	85	3	76-122/32
74-97-5	Bromochloromethane	ND		61.1	52.5	86	59.6	50.6	85	4	77-120/24
75-27-4	Bromodichloromethane	ND		61.1	54.4	89	59.6	55.6	93	2	74-130/25
75-25-2	Bromoform	ND		61.1	55.7	91	59.6	54.7	92	2	76-127/26
104-51-8	n-Butylbenzene	ND		61.1	44.9	73	59.6	46.1	77	3	71-128/35
135-98-8	sec-Butylbenzene	ND		61.1	49.6	81	59.6	49.7	83	0	79-135/34
98-06-6	tert-Butylbenzene	ND		61.1	50.8	83	59.6	50.4	85	1	77-133/34
108-90-7	Chlorobenzene	ND		61.1	54.1	89	59.6	54.0	91	0	81-129/29
75-00-3	Chloroethane	ND		61.1	47.9	78	59.6	48.8	82	2	68-133/29
67-66-3	Chloroform	ND		61.1	53.6	88	59.6	52.2	88	3	72-123/26
95-49-8	o-Chlorotoluene	ND		61.1	53.6	88	59.6	51.6	87	4	77-129/33
106-43-4	p-Chlorotoluene	ND		61.1	51.8	85	59.6	54.0	91	4	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		306	297	97	298	293	98	1	45-159/26
75-15-0	Carbon disulfide	ND		61.1	52.3	86	59.6	53.6	90	2	72-122/29
56-23-5	Carbon tetrachloride	ND		61.1	53.4	87	59.6	53.6	90	0	78-133/29
75-34-3	1,1-Dichloroethane	ND		61.1	53.6	88	59.6	50.9	85	5	73-125/27
75-35-4	1,1-Dichloroethylene	ND		61.1	52.4	86	59.6	53.4	90	2	81-136/28
563-58-6	1,1-Dichloropropene	ND		61.1	53.1	87	59.6	52.5	88	1	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	60.2	99	59.6	59.5	100	1	70-137/29
106-93-4	1,2-Dibromoethane	ND		61.1	56.4	92	59.6	57.5	96	2	77-126/26
107-06-2	1,2-Dichloroethane	ND		61.1	57.7	94	59.6	53.4	90	8	74-128/23
78-87-5	1,2-Dichloropropane	ND		61.1	55.0	90	59.6	53.0	89	4	74-125/25
142-28-9	1,3-Dichloropropane	ND		61.1	54.0	88	59.6	54.0	91	0	76-122/26
594-20-7	2,2-Dichloropropane	ND		61.1	51.1	84	59.6	50.2	84	2	77-133/28
124-48-1	Dibromochloromethane	ND		61.1	54.9	90	59.6	54.0	91	2	76-127/27
75-71-8	Dichlorodifluoromethane	ND		61.1	42.6	70	59.6	43.8	73	3	68-168/29
156-59-2	cis-1,2-Dichloroethylene	36.1		61.1	90.1	88	59.6	93.0	95	3	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	53.4	87	59.6	53.5	90	0	80-123/26
541-73-1	m-Dichlorobenzene	ND		61.1	51.4	84	59.6	50.4	85	2	81-129/33
95-50-1	o-Dichlorobenzene	ND		61.1	49.1	80	59.6	50.3	84	2	80-129/32
106-46-7	p-Dichlorobenzene	ND		61.1	46.9	77	59.6	47.6	80	1	76-130/32
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	53.5	88	59.6	54.0	91	1	70-127/27

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-9MS	F0064972.D	1	06/18/14	EP	n/a	n/a	VF2149
FA15891-9MSD	F0064973.D	1	06/18/14	EP	n/a	n/a	VF2149
FA15891-9	F0064967.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Compound	FA15891-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	57.8	95	59.6	55.9	94	3	75-131/28
100-41-4	Ethylbenzene	ND		61.1	51.3	84	59.6	51.9	87	1	77-123/31
591-78-6	2-Hexanone	ND		306	302	99	298	322	108	6	72-133/26
87-68-3	Hexachlorobutadiene	ND		61.1	34.0	56*	59.6	32.6	55*	4	74-136/38
98-82-8	Isopropylbenzene	ND		61.1	55.6	91	59.6	52.5	88	6	80-136/32
99-87-6	p-Isopropyltoluene	ND		61.1	49.8	81	59.6	51.3	86	3	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		306	307	100	298	304	102	1	76-132/26
74-83-9	Methyl bromide	ND		61.1	57.9	95	59.6	58.0	97	0	65-139/31
74-87-3	Methyl chloride	ND		61.1	50.4	82	59.6	52.4	88	4	71-144/27
74-95-3	Methylene bromide	ND		61.1	58.4	96	59.6	57.1	96	2	74-124/24
75-09-2	Methylene chloride	ND		61.1	59.4	97	59.6	59.5	100	0	74-137/28
78-93-3	Methyl ethyl ketone	ND		306	311	102	298	322	108	3	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	51.1	84	59.6	52.5	88	3	77-120/24
91-20-3	Naphthalene	ND		61.1	48.0	79	59.6	47.1	79	2	79-129/33
103-65-1	n-Propylbenzene	ND		61.1	53.7	88	59.6	53.2	89	1	80-135/33
100-42-5	Styrene	ND		61.1	52.4	86	59.6	51.8	87	1	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	52.0	85	59.6	51.1	86	2	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		61.1	51.2	84	59.6	52.5	88	3	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	59.6	98	59.6	60.7	102	2	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	55.7	91	59.6	55.5	93	0	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	40.2	66*	59.6	38.5	65*	4	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		61.1	59.9	98	59.6	60.9	102	2	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	41.8	68*	59.6	38.1	64*	9	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	49.4	81	59.6	50.6	85	2	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	50.0	82	59.6	48.7	82	3	73-122/33
127-18-4	Tetrachloroethylene	121		61.1	130	15*	59.6	140	32* [a]	7	79-130/31
108-88-3	Toluene	ND		61.1	52.1	85	59.6	50.4	85	3	76-124/30
79-01-6	Trichloroethylene	5.9		61.1	55.9	82	59.6	57.3	86	2	75-128/27
75-69-4	Trichlorofluoromethane	ND		61.1	50.3	82	59.6	51.4	86	2	73-145/31
75-01-4	Vinyl chloride	ND		61.1	48.0	79	59.6	49.6	83	3	76-141/27
108-05-4	Vinyl Acetate	ND		306	149	49	298	102	34*	37	48-164/37
	m,p-Xylene	ND		122	104	85	119	107	90	3	80-128/30
95-47-6	o-Xylene	ND		61.1	53.6	88	59.6	53.7	90	0	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-9MS	F0064972.D	1	06/18/14	EP	n/a	n/a	VF2149
FA15891-9MSD	F0064973.D	1	06/18/14	EP	n/a	n/a	VF2149
FA15891-9	F0064967.D	1	06/18/14	EP	n/a	n/a	VF2149

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

FA15891-9, FA15891-10, FA15891-11, FA15891-12, FA15891-13

CAS No.	Surrogate Recoveries	MS	MSD	FA15891-9	Limits
1868-53-7	Dibromofluoromethane	99%	96%	97%	75-124%
2037-26-5	Toluene-D8	96%	94%	91%	75-126%
460-00-4	4-Bromofluorobenzene	97%	95%	98%	71-133%
17060-07-0	1,2-Dichloroethane-D4	102%	96%	109%	72-135%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-11MS	F0064992.D	1	06/19/14	EP	n/a	n/a	VF2150
FA15891-11MSD	F0064993.D	1	06/19/14	EP	n/a	n/a	VF2150
FA15891-11	F0064991.D	1	06/19/14	EP	n/a	n/a	VF2150

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

FA15891-11

CAS No.	Compound	FA15891-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	335		2240	2620	102	2240	2470	95	6	79-130/31

CAS No.	Surrogate Recoveries	MS	MSD	FA15891-11	Limits
1868-53-7	Dibromofluoromethane	94%	99%	93%	75-124%
2037-26-5	Toluene-D8	94%	92%	101%	75-126%
460-00-4	4-Bromofluorobenzene	96%	96%	106%	71-133%
17060-07-0	1,2-Dichloroethane-D4	93%	96%	97%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-7MS	C0098765.D	1	06/19/14	EP	n/a	n/a	VC3963
FA15891-7MSD	C0098766.D	1	06/19/14	EP	n/a	n/a	VC3963
FA15891-7	C0098764.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Compound	FA15891-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		11000	10200	93	11000	11500	105	12	61-152/27
107-02-8	Acrolein	ND		11000	10900	99	11000	10600	96	3	48-178/37
107-13-1	Acrylonitrile	ND		11000	10900	99	11000	11600	106	6	66-134/26
71-43-2	Benzene	ND		2200	2250	102	2200	2300	105	2	76-126/26
108-86-1	Bromobenzene	ND		2200	2260	103	2200	2340	106	3	76-122/32
74-97-5	Bromochloromethane	ND		2200	2160	98	2200	2250	102	4	77-120/24
75-27-4	Bromodichloromethane	ND		2200	2490	113	2200	2530	115	2	74-130/25
75-25-2	Bromoform	ND		2200	2290	104	2200	2400	109	5	76-127/26
104-51-8	n-Butylbenzene	ND		2200	2180	99	2200	2170	99	0	71-128/35
135-98-8	sec-Butylbenzene	ND		2200	2520	115	2200	2580	117	2	79-135/34
98-06-6	tert-Butylbenzene	ND		2200	2680	122	2200	2700	123	1	77-133/34
108-90-7	Chlorobenzene	ND		2200	2430	111	2200	2380	108	2	81-129/29
75-00-3	Chloroethane	ND		2200	1940	88	2200	2120	96	9	68-133/29
67-66-3	Chloroform	ND		2200	2280	104	2200	2270	103	0	72-123/26
95-49-8	o-Chlorotoluene	ND		2200	2420	110	2200	2520	115	4	77-129/33
106-43-4	p-Chlorotoluene	ND		2200	2490	113	2200	2490	113	0	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		11000	9990	91	11000	10900	99	9	45-159/26
75-15-0	Carbon disulfide	ND		2200	2150	98	2200	2430	111	12	72-122/29
56-23-5	Carbon tetrachloride	ND		2200	2270	103	2200	2430	111	7	78-133/29
75-34-3	1,1-Dichloroethane	ND		2200	2120	96	2200	2090	95	1	73-125/27
75-35-4	1,1-Dichloroethylene	ND		2200	2090	95	2200	2240	102	7	81-136/28
563-58-6	1,1-Dichloropropene	ND		2200	2300	105	2200	2250	102	2	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		2200	2200	100	2200	2490	113	12	70-137/29
106-93-4	1,2-Dibromoethane	ND		2200	2200	100	2200	2270	103	3	77-126/26
107-06-2	1,2-Dichloroethane	ND		2200	2650	121	2200	2670	121	1	74-128/23
78-87-5	1,2-Dichloropropane	ND		2200	2240	102	2200	2370	108	6	74-125/25
142-28-9	1,3-Dichloropropane	ND		2200	2280	104	2200	2230	101	2	76-122/26
594-20-7	2,2-Dichloropropane	ND		2200	2070	94	2200	2370	108	14	77-133/28
124-48-1	Dibromochloromethane	ND		2200	2360	107	2200	2320	106	2	76-127/27
75-71-8	Dichlorodifluoromethane	ND		2200	2060	94	2200	2500	114	19	68-168/29
156-59-2	cis-1,2-Dichloroethylene	ND		2200	2220	101	2200	2320	106	4	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		2200	2300	105	2200	2390	109	4	80-123/26
541-73-1	m-Dichlorobenzene	ND		2200	2470	112	2200	2430	111	2	81-129/33
95-50-1	o-Dichlorobenzene	ND		2200	2480	113	2200	2550	116	3	80-129/32
106-46-7	p-Dichlorobenzene	ND		2200	2280	104	2200	2230	101	2	76-130/32
156-60-5	trans-1,2-Dichloroethylene	ND		2200	2080	95	2200	2090	95	0	70-127/27

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-7MS	C0098765.D	1	06/19/14	EP	n/a	n/a	VC3963
FA15891-7MSD	C0098766.D	1	06/19/14	EP	n/a	n/a	VC3963
FA15891-7	C0098764.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Compound	FA15891-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		2200	2570	117	2200	2450	111	5	75-131/28
100-41-4	Ethylbenzene	ND		2200	2320	106	2200	2210	101	5	77-123/31
591-78-6	2-Hexanone	ND		11000	10700	97	11000	11200	102	5	72-133/26
87-68-3	Hexachlorobutadiene	ND		2200	2150	98	2200	2210	101	3	74-136/38
98-82-8	Isopropylbenzene	ND		2200	2580	117	2200	2570	117	0	80-136/32
99-87-6	p-Isopropyltoluene	ND		2200	2490	113	2200	2510	114	1	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		11000	11200	102	11000	11900	108	6	76-132/26
74-83-9	Methyl bromide	ND		2200	1920	87	2200	2130	97	10	65-139/31
74-87-3	Methyl chloride	ND		2200	2020	92	2200	2470	112	20	71-144/27
74-95-3	Methylene bromide	ND		2200	2340	106	2200	2510	114	7	74-124/24
75-09-2	Methylene chloride	ND		2200	2680	122	2200	2940	134	9	74-137/28
78-93-3	Methyl ethyl ketone	ND		11000	10900	99	11000	11700	106	7	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		2200	2140	97	2200	2480	113	15	77-120/24
91-20-3	Naphthalene	ND		2200	2340	106	2200	2570	117	9	79-129/33
103-65-1	n-Propylbenzene	ND		2200	2450	111	2200	2480	113	1	80-135/33
100-42-5	Styrene	ND		2200	2330	106	2200	2280	104	2	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		2200	2520	115	2200	2540	116	1	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		2200	2230	101	2200	2450	111	9	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		2200	2270	103	2200	2420	110	6	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		2200	2290	104	2200	2250	102	2	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		2200	2310	105	2200	2490	113	8	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		2200	2340	106	2200	2450	111	5	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		2200	2320	106	2200	2400	109	3	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		2200	2340	106	2200	2420	110	3	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		2200	2330	106	2200	2390	109	3	73-122/33
127-18-4	Tetrachloroethylene	577		2200	3040	112	2200	2970	109	2	79-130/31
108-88-3	Toluene	ND		2200	2250	102	2200	2150	98	5	76-124/30
79-01-6	Trichloroethylene	ND		2200	2360	107	2200	2360	107	0	75-128/27
75-69-4	Trichlorofluoromethane	ND		2200	1600	73	2200	1650	75	3	73-145/31
75-01-4	Vinyl chloride	ND		2200	1890	86	2200	2350	107	22	76-141/27
108-05-4	Vinyl Acetate	ND		11000	5780	53	11000	6390	58	10	48-164/37
	m,p-Xylene	ND		4400	4820	110	4400	4740	108	2	80-128/30
95-47-6	o-Xylene	ND		2200	2530	115	2200	2550	116	1	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15891-7MS	C0098765.D	1	06/19/14	EP	n/a	n/a	VC3963
FA15891-7MSD	C0098766.D	1	06/19/14	EP	n/a	n/a	VC3963
FA15891-7	C0098764.D	1	06/19/14	EP	n/a	n/a	VC3963

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

FA15891-1, FA15891-2, FA15891-3, FA15891-4, FA15891-6, FA15891-7, FA15891-8

CAS No.	Surrogate Recoveries	MS	MSD	FA15891-7	Limits
1868-53-7	Dibromofluoromethane	102%	103%	124%	75-124%
2037-26-5	Toluene-D8	98%	95%	103%	75-126%
460-00-4	4-Bromofluorobenzene	89%	91%	85%	71-133%
17060-07-0	1,2-Dichloroethane-D4	108%	106%	124%	72-135%

* = 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: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-MB	T013255.D	1	06/23/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic Acid	ND	830	ug/kg	
95-57-8	2-Chlorophenol	ND	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	ug/kg	
95-48-7	2-Methylphenol	ND	170	ug/kg	
	3&4-Methylphenol	ND	170	ug/kg	
88-75-5	2-Nitrophenol	ND	170	ug/kg	
100-02-7	4-Nitrophenol	ND	830	ug/kg	
87-86-5	Pentachlorophenol	ND	830	ug/kg	
108-95-2	Phenol	ND	170	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	ug/kg	
83-32-9	Acenaphthene	ND	170	ug/kg	
208-96-8	Acenaphthylene	ND	170	ug/kg	
62-53-3	Aniline	ND	170	ug/kg	
120-12-7	Anthracene	ND	170	ug/kg	
92-87-5	Benzidine	ND	1700	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	ug/kg	
106-47-8	4-Chloroaniline	ND	170	ug/kg	
86-74-8	Carbazole	ND	170	ug/kg	
218-01-9	Chrysene	ND	170	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	ug/kg	

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-MB	T013255.D	1	06/23/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	170	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	170	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	ug/kg	
132-64-9	Dibenzofuran	ND	170	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	ug/kg	
206-44-0	Fluoranthene	ND	170	ug/kg	
86-73-7	Fluorene	ND	170	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	ug/kg	
67-72-1	Hexachloroethane	ND	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	ug/kg	
78-59-1	Isophorone	ND	170	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	ug/kg	
88-74-4	2-Nitroaniline	ND	170	ug/kg	
99-09-2	3-Nitroaniline	ND	170	ug/kg	
100-01-6	4-Nitroaniline	ND	170	ug/kg	
91-20-3	Naphthalene	ND	170	ug/kg	
98-95-3	Nitrobenzene	ND	170	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	170	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	ug/kg	
85-01-8	Phenanthrene	ND	170	ug/kg	
129-00-0	Pyrene	ND	170	ug/kg	
110-86-1	Pyridine	ND	330	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	ug/kg	

Method Blank Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-MB	T013255.D	1	06/23/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	73%	40-102%
4165-62-2	Phenol-d5	81%	41-100%
118-79-6	2,4,6-Tribromophenol	88%	42-108%
4165-60-0	Nitrobenzene-d5	77%	40-105%
321-60-8	2-Fluorobiphenyl	79%	43-107%
1718-51-0	Terphenyl-d14	93%	45-119%

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-BS	T013254.D	1	06/23/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic Acid	3330	2320	70	36-118
95-57-8	2-Chlorophenol	1670	1200	72	48-104
59-50-7	4-Chloro-3-methyl phenol	1670	1180	71	52-108
120-83-2	2,4-Dichlorophenol	1670	1170	70	51-105
105-67-9	2,4-Dimethylphenol	1670	1200	72	43-96
51-28-5	2,4-Dinitrophenol	3330	2860	86	40-119
534-52-1	4,6-Dinitro-o-cresol	3330	2980	89	64-121
95-48-7	2-Methylphenol	1670	1210	73	46-107
	3&4-Methylphenol	3330	2300	69	44-111
88-75-5	2-Nitrophenol	1670	1160	70	49-104
100-02-7	4-Nitrophenol	3330	2740	82	56-116
87-86-5	Pentachlorophenol	3330	3140	94	61-114
108-95-2	Phenol	1670	1210	73	45-110
95-95-4	2,4,5-Trichlorophenol	1670	1330	80	58-112
88-06-2	2,4,6-Trichlorophenol	1670	1310	79	56-109
83-32-9	Acenaphthene	1670	1290	77	56-109
208-96-8	Acenaphthylene	1670	1290	77	56-106
62-53-3	Aniline	1670	1180	71	42-108
120-12-7	Anthracene	1670	1390	83	61-110
56-55-3	Benzo(a)anthracene	1670	1420	85	66-111
50-32-8	Benzo(a)pyrene	1670	1370	82	59-104
205-99-2	Benzo(b)fluoranthene	1670	1410	85	67-113
191-24-2	Benzo(g,h,i)perylene	1670	1410	85	67-113
207-08-9	Benzo(k)fluoranthene	1670	1510	91	67-114
101-55-3	4-Bromophenyl phenyl ether	1670	1220	73	62-110
85-68-7	Butyl benzyl phthalate	1670	1460	88	65-113
100-51-6	Benzyl Alcohol	1670	1240	74	53-108
91-58-7	2-Chloronaphthalene	1670	1270	76	53-106
106-47-8	4-Chloroaniline	1670	1110	67	30-115
86-74-8	Carbazole	1670	1390	83	60-111
218-01-9	Chrysene	1670	1500	90	65-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1170	70	48-105
111-44-4	bis(2-Chloroethyl)ether	1670	1150	69	46-103
108-60-1	bis(2-Chloroisopropyl)ether	1670	1170	70	40-110
7005-72-3	4-Chlorophenyl phenyl ether	1670	1250	75	58-106
95-50-1	1,2-Dichlorobenzene	1670	1100	66	44-102

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-BS	T013254.D	1	06/23/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
122-66-7	1,2-Diphenylhydrazine	1670	1370	82	58-112
541-73-1	1,3-Dichlorobenzene	1670	1100	66	42-100
106-46-7	1,4-Dichlorobenzene	1670	1160	70	40-106
121-14-2	2,4-Dinitrotoluene	1670	1280	77	59-109
606-20-2	2,6-Dinitrotoluene	1670	1300	78	61-107
91-94-1	3,3'-Dichlorobenzidine	1670	1330	80	36-114
53-70-3	Dibenzo(a,h)anthracene	1670	1410	85	68-115
132-64-9	Dibenzofuran	1670	1240	74	57-108
84-74-2	Di-n-butyl phthalate	1670	1390	83	63-108
117-84-0	Di-n-octyl phthalate	1670	1560	94	64-119
84-66-2	Diethyl phthalate	1670	1320	79	61-109
131-11-3	Dimethyl phthalate	1670	1290	77	59-108
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1510	91	64-115
206-44-0	Fluoranthene	1670	1370	82	60-108
86-73-7	Fluorene	1670	1300	78	58-109
118-74-1	Hexachlorobenzene	1670	1400	84	59-111
87-68-3	Hexachlorobutadiene	1670	1220	73	41-108
77-47-4	Hexachlorocyclopentadiene	1670	1160	70	49-110
67-72-1	Hexachloroethane	1670	1160	70	40-105
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1320	79	66-116
78-59-1	Isophorone	1670	1140	68	42-89
90-12-0	1-Methylnaphthalene	1670	1080	65	49-106
91-57-6	2-Methylnaphthalene	1670	1180	71	47-106
88-74-4	2-Nitroaniline	1670	1330	80	56-123
99-09-2	3-Nitroaniline	1670	1160	70	41-111
100-01-6	4-Nitroaniline	1670	1320	79	54-113
91-20-3	Naphthalene	1670	1120	67	44-104
98-95-3	Nitrobenzene	1670	1150	69	43-108
62-75-9	N-Nitrosodimethylamine	1670	1080	65	40-106
621-64-7	N-Nitroso-di-n-propylamine	1670	1250	75	48-108
86-30-6	N-Nitrosodiphenylamine	1670	1450	87	62-110
85-01-8	Phenanthrene	1670	1380	83	63-111
129-00-0	Pyrene	1670	1460	88	65-115
110-86-1	Pyridine	1670	883	53	31-102
120-82-1	1,2,4-Trichlorobenzene	1670	1120	67	45-100

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-BS	T013254.D	1	06/23/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	72%	40-102%
4165-62-2	Phenol-d5	76%	41-100%
118-79-6	2,4,6-Tribromophenol	88%	42-108%
4165-60-0	Nitrobenzene-d5	71%	40-105%
321-60-8	2-Fluorobiphenyl	78%	43-107%
1718-51-0	Terphenyl-d14	94%	45-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-MS	T013270.D	1	06/24/14	MV	06/19/14	OP52042	ST627
OP52042-MSD	T013271.D	1	06/24/14	MV	06/19/14	OP52042	ST627
FA15874-6	T013269.D	1	06/24/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Compound	FA15874-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		4460	2220	50	4450	2150	48	3	36-118/41
95-57-8	2-Chlorophenol	ND		2230	1450	65	2220	1570	71	8	48-104/26
59-50-7	4-Chloro-3-methyl phenol	ND		2230	1440	65	2220	1570	71	9	52-108/21
120-83-2	2,4-Dichlorophenol	ND		2230	1460	65	2220	1590	72	9	51-105/27
105-67-9	2,4-Dimethylphenol	ND		2230	1520	68	2220	1630	73	7	43-96/23
51-28-5	2,4-Dinitrophenol	ND		4460	2700	61	4450	2780	63	3	40-119/32
534-52-1	4,6-Dinitro-o-cresol	ND		4460	3100	70	4450	3370	76	8	64-121/29
95-48-7	2-Methylphenol	ND		2230	1430	64	2220	1540	69	7	46-107/24
	3&4-Methylphenol	ND		4460	2700	61	4450	2880	65	6	44-111/24
88-75-5	2-Nitrophenol	ND		2230	1500	67	2220	1640	74	9	49-104/27
100-02-7	4-Nitrophenol	ND		4460	3300	74	4450	3550	80	7	56-116/23
87-86-5	Pentachlorophenol	ND		4460	3620	81	4450	3950	89	9	61-114/23
108-95-2	Phenol	ND		2230	1380	62	2220	1480	67	7	45-110/24
95-95-4	2,4,5-Trichlorophenol	ND		2230	1620	73	2220	1750	79	8	58-112/22
88-06-2	2,4,6-Trichlorophenol	ND		2230	1620	73	2220	1750	79	8	56-109/25
83-32-9	Acenaphthene	ND		2230	1590	71	2220	1710	77	7	56-109/23
208-96-8	Acenaphthylene	ND		2230	1590	71	2220	1700	76	7	56-106/23
62-53-3	Aniline	ND		2230	1390	62	2220	1480	67	6	42-108/28
120-12-7	Anthracene	ND		2230	1630	73	2220	1750	79	7	61-110/21
92-87-5	Benzidine	ND		2230	650	29	2220	743	33	13	10-109/35
56-55-3	Benzo(a)anthracene	ND		2230	1660	74	2220	1800	81	8	66-111/23
50-32-8	Benzo(a)pyrene	ND		2230	1580	71	2220	1730	78	9	59-104/23
205-99-2	Benzo(b)fluoranthene	ND		2230	1590	71	2220	1810	81	13	67-113/24
191-24-2	Benzo(g,h,i)perylene	ND		2230	1610	72	2220	1750	79	8	67-113/21
207-08-9	Benzo(k)fluoranthene	ND		2230	1750	78	2220	1780	80	2	67-114/22
101-55-3	4-Bromophenyl phenyl ether	ND		2230	1460	65	2220	1570	71	7	62-110/21
85-68-7	Butyl benzyl phthalate	ND		2230	1750	78	2220	1890	85	8	65-113/20
100-51-6	Benzyl Alcohol	ND		2230	1500	67	2220	1610	72	7	53-108/24
91-58-7	2-Chloronaphthalene	ND		2230	1560	70	2220	1660	75	6	53-106/23
106-47-8	4-Chloroaniline	ND		2230	1300	58	2220	1400	63	7	30-115/30
86-74-8	Carbazole	ND		2230	1590	71	2220	1710	77	7	60-111/19
218-01-9	Chrysene	ND		2230	1740	78	2220	1880	85	8	65-112/25
111-91-1	bis(2-Chloroethoxy)methane	ND		2230	1470	66	2220	1600	72	8	48-105/24
111-44-4	bis(2-Chloroethyl)ether	ND		2230	1390	62	2220	1500	67	8	46-103/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		2230	1410	63	2220	1510	68	7	40-110/25
7005-72-3	4-Chlorophenyl phenyl ether	ND		2230	1510	68	2220	1640	74	8	58-106/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-MS	T013270.D	1	06/24/14	MV	06/19/14	OP52042	ST627
OP52042-MSD	T013271.D	1	06/24/14	MV	06/19/14	OP52042	ST627
FA15874-6	T013269.D	1	06/24/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Compound	FA15874-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		2230	1340	60	2220	1420	64	6	44-102/28
122-66-7	1,2-Diphenylhydrazine	ND		2230	1660	74	2220	1790	81	8	58-112/22
541-73-1	1,3-Dichlorobenzene	ND		2230	1340	60	2220	1430	64	6	42-100/30
106-46-7	1,4-Dichlorobenzene	ND		2230	1410	63	2220	1490	67	6	40-106/29
121-14-2	2,4-Dinitrotoluene	ND		2230	1530	69	2220	1630	73	6	59-109/20
606-20-2	2,6-Dinitrotoluene	ND		2230	1560	70	2220	1690	76	8	61-107/22
91-94-1	3,3'-Dichlorobenzidine	ND		2230	1610	72	2220	1720	77	7	36-114/28
53-70-3	Dibenzo(a,h)anthracene	ND		2230	1610	72	2220	1760	79	9	68-115/23
132-64-9	Dibenzofuran	ND		2230	1560	70	2220	1640	74	5	57-108/22
84-74-2	Di-n-butyl phthalate	ND		2230	1650	74	2220	1780	80	8	63-108/19
117-84-0	Di-n-octyl phthalate	ND		2230	1860	83	2220	2000	90	7	64-119/21
84-66-2	Diethyl phthalate	ND		2230	1570	70	2220	1680	76	7	61-109/20
131-11-3	Dimethyl phthalate	ND		2230	1570	70	2220	1700	76	8	59-108/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2230	1820	82	2220	1950	88	7	64-115/23
206-44-0	Fluoranthene	ND		2230	1590	71	2220	1710	77	7	60-108/25
86-73-7	Fluorene	ND		2230	1570	70	2220	1690	76	7	58-109/21
118-74-1	Hexachlorobenzene	ND		2230	1660	74	2220	1810	81	9	59-111/21
87-68-3	Hexachlorobutadiene	ND		2230	1590	71	2220	1680	76	6	41-108/27
77-47-4	Hexachlorocyclopentadiene	ND		2230	1370	61	2220	1490	67	8	49-110/31
67-72-1	Hexachloroethane	ND		2230	1420	64	2220	1520	68	7	40-105/32
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2230	1500	67	2220	1630	73	8	66-116/22
78-59-1	Isophorone	ND		2230	1440	65	2220	1570	71	9	42-89/22
90-12-0	1-Methylnaphthalene	ND		2230	1330	60	2220	1440	65	8	49-106/26
91-57-6	2-Methylnaphthalene	ND		2230	1490	67	2220	1600	72	7	47-106/27
88-74-4	2-Nitroaniline	ND		2230	1660	74	2220	1790	81	8	56-123/24
99-09-2	3-Nitroaniline	ND		2230	1420	64	2220	1520	68	7	41-111/25
100-01-6	4-Nitroaniline	ND		2230	1490	67	2220	1590	72	6	54-113/22
91-20-3	Naphthalene	ND		2230	1390	62	2220	1480	67	6	44-104/27
98-95-3	Nitrobenzene	ND		2230	1470	66	2220	1580	71	7	43-108/25
62-75-9	N-Nitrosodimethylamine	ND		2230	1350	61	2220	1450	65	7	40-106/27
621-64-7	N-Nitroso-di-n-propylamine	ND		2230	1490	67	2220	1630	73	9	48-108/27
86-30-6	N-Nitrosodiphenylamine	ND		2230	1700	76	2220	1850	83	8	62-110/21
85-01-8	Phenanthrene	ND		2230	1620	73	2220	1750	79	8	63-111/22
129-00-0	Pyrene	ND		2230	1690	76	2220	1820	82	7	65-115/25
110-86-1	Pyridine	ND		2230	1110	50	2220	1170	53	5	31-102/38
120-82-1	1,2,4-Trichlorobenzene	ND		2230	1450	65	2220	1540	69	6	45-100/26

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15891
Account: ISIEKSW ISI Environmental Services
Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP52042-MS	T013270.D	1	06/24/14	MV	06/19/14	OP52042	ST627
OP52042-MSD	T013271.D	1	06/24/14	MV	06/19/14	OP52042	ST627
FA15874-6	T013269.D	1	06/24/14	MV	06/19/14	OP52042	ST627

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

FA15891-4

CAS No.	Surrogate Recoveries	MS	MSD	FA15874-6	Limits
367-12-4	2-Fluorophenol	63%	67%	68%	40-102%
4165-62-2	Phenol-d5	66%	70%	75%	41-100%
118-79-6	2,4,6-Tribromophenol	80%	86%	87%	42-108%
4165-60-0	Nitrobenzene-d5	67%	72%	72%	40-105%
321-60-8	2-Fluorobiphenyl	72%	77%	75%	43-107%
1718-51-0	Terphenyl-d14	84%	90%	88%	45-119%

* = 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: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27434 | Methods: SW846 7471B
Matrix Type: SOLID | Units: mg/kg

Prep Date: 06/19/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.00030	<0.042

Associated samples MP27434: FA15891-4

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

7.1.1

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27434
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:	06/19/14						06/19/14		
Metal	FA15891-4 Original	DUP	RPD	QC Limits	FA15891-4 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.016	0.016	0.0	0-20	0.016	0.30	0.272	104.3	80-120

Associated samples MP27434: FA15891-4

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27434
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/19/14

Metal	FA15891-4 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.016	0.32	0.276	110.0	6.5	20

Associated samples MP27434: FA15891-4

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

7.1.2

7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27434
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/19/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.24	0.25	96.0	80-120

Associated samples MP27434: FA15891-4

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

7.1.3

7

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27434
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 06/19/14

Metal	FA15891-4 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.167	0.00	100.0(a)	0-10

Associated samples MP27434: FA15891-4

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).

7.1.4

7

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27440
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/20/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1		
Arsenic	0.50	.1	.1	-0.090	<0.50
Barium	10	.05	.05	-0.010	<10
Beryllium	0.25	.025	.025		
Cadmium	0.20	.025	.025	-0.010	<0.20
Calcium	250	2.5	2.5		
Chromium	0.50	.05	.05	0.0050	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.05		
Iron	15	.85	1.3		
Lead	1.0	.055	.08	0.030	<1.0
Magnesium	250	2.5	2.5		
Manganese	0.75	.025	.025		
Molybdenum	2.5	.025	.03		
Nickel	2.0	.025	.025		
Potassium	500	10	10		
Selenium	1.0	.12	.15	-0.085	<1.0
Silver	0.50	.033	.033	0.0050	<0.50
Sodium	500	25	25		
Strontium	0.50	.02	.025		
Thallium	0.50	.075	.075		
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15		

Associated samples MP27440: FA15891-4

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: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27440
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Metal	FA15842-1 Original	DUP	RPD	QC Limits	FA15842-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Prep Date:			06/20/14					06/20/14	
Aluminum	anr								
Antimony									
Arsenic	3.3	1.9 (a)	53.8 (b)	0-20	3.3	118 (a)	115	100.1	80-120
Barium	28.7	24.9 (a)	14.2	0-20	28.7	135 (a)	115	92.7	80-120
Beryllium									
Cadmium	1.0	0.50 (a)	66.7 (b)	0-20	1.0	4.1 (a)	2.87	108.2	80-120
Calcium	anr								
Chromium	196	92.9 (a)	71.4*(c)	0-20	196	141 (a)	11.5	-479.8(d	80-120
Cobalt									
Copper	anr								
Iron									
Lead	46.2	61.4 (a)	28.3*(c)	0-20	46.2	96.1 (a)	28.7	174.1N(e	80-120
Magnesium	anr								
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	0.0	0.0 (a)	NC	0-20	0.0	116 (a)	115	101.2	80-120
Silver	0.66	0.75 (a)	12.8	0-20	0.66	3.4 (a)	2.87	95.6	80-120
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP27440: FA15891-4

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) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(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.
(e) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27440 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/20/14

Metal	FA15842-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	3.3	90.3 (a)	87.5	99.5	26.6 (b)	20
Barium	28.7	108 (a)	87.5	90.7	22.2 (b)	20
Beryllium						
Cadmium	1.0	2.7 (a)	2.19	77.8N(c)	41.2 (b)	20
Calcium	anr					
Chromium	196	67.8 (a)	8.75	-1465.9d	70.1 (b)	20
Cobalt						
Copper	anr					
Iron						
Lead	46.2	79.7 (a)	21.9	153.2N(c	18.7	20
Magnesium	anr					
Manganese						
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	0.0	87.3 (a)	87.5	99.8	28.2 (b)	20
Silver	0.66	2.6 (a)	2.19	88.7	26.7 (b)	20
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP27440: FA15891-4

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) Elevated reporting limit(s) due to matrix interference.
(b) High RPD due to possible sample non-homogeneity.
(c) Spike recovery indicates possible matrix interference and/or 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: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27440
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/20/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	104	100	104.0	80-120
Barium	103	100	103.0	80-120
Beryllium				
Cadmium	2.6	2.5	104.0	80-120
Calcium	anr			
Chromium	10.6	10	106.0	80-120
Cobalt				
Copper	anr			
Iron				
Lead	25.0	25	100.0	80-120
Magnesium	anr			
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	102	100	102.0	80-120
Silver	2.4	2.5	96.0	80-120
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27440: FA15891-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27440
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	FA15842-1 Original	SDL 4:20	%DIF	QC Limits
Aluminum	anr			
Antimony				
Arsenic	76.2	88.4	16.0 (a)	0-10
Barium	670	660	1.6	0-10
Beryllium				
Cadmium	24.0	0.00	100.0(a)	0-10
Calcium	anr			
Chromium	4580	4610	0.8	0-10
Cobalt				
Copper	anr			
Iron				
Lead	1080	1110	2.7	0-10
Magnesium	anr			
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	15.5	0.00	100.0(a)	0-10
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27440: FA15891-4

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: FA15891
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP27440
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	Sample ml	Final ml	FA15842-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic	9.8	10	76.2	74.676	178.3	0.2	5	100	103.6	80-120
Barium	9.8	10	670.3	656.894	888.3	0.2	12.5	250	92.6	80-120
Beryllium										
Cadmium	9.8	10	24	23.52	73.5	0.2	2.5	50	100.0	80-120
Calcium										
Chromium	9.8	10	4575	4483.5	4469	0.2	2.5	50	-29.0*(a	80-120
Cobalt										
Copper										
Iron										
Lead	9.8	10	1080	1058.4	1095	0.2	2.5	50	73.2*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	9.8	10			30.7	0.2	5	100	30.7*(a)	80-120
Silver	9.8	10	15.5	15.19	62.5	0.2	2.5	50	94.6	80-120
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27440: FA15891-4

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.