Southeast ACCUTEST LABORATORIES

03/17/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita, KS

Accutest Job Number: FA12580

Sampling Date: 02/18/14

Report to:

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Total number of pages in report: **91**

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Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; Wichita, KS

Job No: FA12580

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA12580-1	02/18/14	11:00	BGSK	02/19/14	AQ	Water	BLD B RM 1
FA12580-2	02/18/14	00:00	BGSK	02/19/14	AQ	Trip Blank Water	TRIP BLANK
FA12580-3	02/18/14	10:45	BGSK	02/19/14	AQ	Water	BLD B RM 2
FA12580-4	02/18/14	11:45	BGSK	02/19/14	AQ	Water	BLD B RM 4
FA12580-5	02/18/14	11:55	BGSK	02/19/14	AQ	Water	BLD B RM 5
FA12580-6	02/18/14	12:10	BGSK	02/19/14	AQ	Water	BLD B RM 6
FA12580-7	02/18/14	12:45	BGSK	02/19/14	AQ	Water	BLD B RM 7
FA12580-8	02/18/14	00:00	BGSK	02/19/14	AQ	Water	DUP-3

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Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA12580-1	**BLD B RM 1**					
Benzyl Alcohol [a]		5.7 J	19	3.8	ug/l	SW846 8270D
Aluminum		313	200		ug/l	SW846 6010C
Cadmium		6.7	5.0		ug/l	SW846 6010C
Calcium		31300	1000		ug/l	SW846 6010C
Chromium		18.0	10		ug/l	SW846 6010C
Copper		34.3	25		ug/l	SW846 6010C
Iron		343	300		ug/l	SW846 6010C
Lead		29.2	5.0		ug/l	SW846 6010C
Magnesium		13900	5000		ug/l	SW846 6010C
Sodium		103000	20000		ug/l	SW846 6010C
Strontium		208	10		ug/l	SW846 6010C
Titanium		212	10		ug/l	SW846 6010C
Zinc		69.8	20		ug/l	SW846 6010C
FA12580-2	**TRIP BLANK**					
Toluene		0.27 J	1.0	0.20	ug/l	SW846 8260B
FA12580-3	**BLD B RM 2**					
Benzoic Acid		10.1 J	48	9.5	ug/l	SW846 8270D
Benzyl Alcohol		12.6	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		4.5 J	4.8	1.5	ug/l	SW846 8270D
Aluminum		561	200		ug/l	SW846 6010C
Barium		391	200		ug/l	SW846 6010C
Cadmium		9.6	5.0		ug/l	SW846 6010C
Calcium		33900	1000		ug/l	SW846 6010C
Chromium		33.0	10		ug/l	SW846 6010C
Copper		45.9	25		ug/l	SW846 6010C
Iron		714	300		ug/l	SW846 6010C
Lead		77.2	5.0		ug/l	SW846 6010C
Magnesium		14000	5000		ug/l	SW846 6010C
Manganese		21.3	15		ug/l	SW846 6010C
Mercury		0.79	0.50		ug/l	SW846 7470A
Potassium		12100	10000		ug/l	SW846 6010C
Sodium		105000	20000		ug/l	SW846 6010C
Strontium		225	10		ug/l	SW846 6010C
Titanium		440	10		ug/l	SW846 6010C
Zinc		143	20		ug/l	SW846 6010C
FA12580-4	**BLD B RM 4**					
Benzyl Alcohol		6.7	4.7	0.94	ug/l	SW846 8270D

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
bis(2-Ethylhexyl)phthalate		3.1 J	4.7	1.5	ug/l	SW846 8270D
delta-BHC [b]		0.0072 J	0.047	0.0047	ug/l	SW846 8081B
Aluminum		2220	200		ug/l	SW846 6010C
Antimony		6.8	6.0		ug/l	SW846 6010C
Barium		659	200		ug/l	SW846 6010C
Cadmium		23.2	5.0		ug/l	SW846 6010C
Calcium		50700	1000		ug/l	SW846 6010C
Chromium		74.5	10		ug/l	SW846 6010C
Copper		139	25		ug/l	SW846 6010C
Iron		2620	300		ug/l	SW846 6010C
Lead		118	5.0		ug/l	SW846 6010C
Magnesium		15100	5000		ug/l	SW846 6010C
Manganese		82.1	15		ug/l	SW846 6010C
Mercury		0.96	0.50		ug/l	SW846 7470A
Potassium		10500	10000		ug/l	SW846 6010C
Sodium		106000	20000		ug/l	SW846 6010C
Strontium		324	10		ug/l	SW846 6010C
Titanium		224	10		ug/l	SW846 6010C
Zinc		510	20		ug/l	SW846 6010C
FA12580-5	**BLD B RM 5**					
Benzyl Alcohol		26.9	4.7	0.94	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		2.2 J	4.7	1.5	ug/l	SW846 8270D
Aluminum		976	200		ug/l	SW846 6010C
Barium		1050	200		ug/l	SW846 6010C
Calcium		60500	1000		ug/l	SW846 6010C
Chromium		108	10		ug/l	SW846 6010C
Copper		73.4	25		ug/l	SW846 6010C
Iron		2660	300		ug/l	SW846 6010C
Lead		264	5.0		ug/l	SW846 6010C
Magnesium		15900	5000		ug/l	SW846 6010C
Manganese		118	15		ug/l	SW846 6010C
Mercury		0.55	0.50		ug/l	SW846 7470A
Potassium		21500	10000		ug/l	SW846 6010C
Sodium		189000	40000		ug/l	SW846 6010C
Strontium		266	10		ug/l	SW846 6010C
Titanium		32.2	10		ug/l	SW846 6010C
Zinc		583	20		ug/l	SW846 6010C
FA12580-6	**BLD B RM 6**					
Benzoic Acid		14.0 J	48	9.5	ug/l	SW846 8270D
Benzyl Alcohol		1.7 J	4.8	0.95	ug/l	SW846 8270D
Aluminum		1260	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		255	200		ug/l	SW846 6010C
Calcium		50000	1000		ug/l	SW846 6010C
Chromium		34.3	10		ug/l	SW846 6010C
Copper		97.8	25		ug/l	SW846 6010C
Iron		1970	300		ug/l	SW846 6010C
Lead		68.4	5.0		ug/l	SW846 6010C
Magnesium		15300	5000		ug/l	SW846 6010C
Manganese		55.3	15		ug/l	SW846 6010C
Sodium		101000	20000		ug/l	SW846 6010C
Strontium		258	10		ug/l	SW846 6010C
Titanium		103	10		ug/l	SW846 6010C
Zinc		525	20		ug/l	SW846 6010C
FA12580-7	**BLD B RM 7**					
Benzoic Acid		55.0	47	9.4	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		1.8 J	4.7	1.5	ug/l	SW846 8270D
Aluminum		1570	200		ug/l	SW846 6010C
Antimony		6.1	6.0		ug/l	SW846 6010C
Calcium		61500	1000		ug/l	SW846 6010C
Chromium		34.1	10		ug/l	SW846 6010C
Copper		60.2	25		ug/l	SW846 6010C
Iron		2350	300		ug/l	SW846 6010C
Lead		88.1	5.0		ug/l	SW846 6010C
Magnesium		15100	5000		ug/l	SW846 6010C
Manganese		78.0	15		ug/l	SW846 6010C
Sodium		104000	20000		ug/l	SW846 6010C
Strontium		278	10		ug/l	SW846 6010C
Titanium		92.1	10		ug/l	SW846 6010C
Zinc		382	20		ug/l	SW846 6010C
FA12580-8	**DUP-3**					
Bromodichloromethane		2.5	1.0	0.26	ug/l	SW846 8260B
Bromoform		0.44 J	1.0	0.38	ug/l	SW846 8260B
Chloroform		1.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		2.4	1.0	0.36	ug/l	SW846 8260B
Benzoic Acid		12.2 J	48	9.5	ug/l	SW846 8270D
Phenol		0.78 J	4.8	0.48	ug/l	SW846 8270D
Butyl benzyl phthalate		1.1 J	4.8	0.77	ug/l	SW846 8270D
Benzyl Alcohol		2.1 J	4.8	0.95	ug/l	SW846 8270D
Di-n-butyl phthalate		1.1 J	4.8	0.95	ug/l	SW846 8270D
Di-n-octyl phthalate		1.0 J	4.8	0.95	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		2.2 J	4.8	1.5	ug/l	SW846 8270D
Aluminum		1160	200		ug/l	SW846 6010C

Summary of Hits

Job Number: FA12580
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 02/18/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		203	200		ug/l	SW846 6010C
Calcium		50300	1000		ug/l	SW846 6010C
Chromium		32.1	10		ug/l	SW846 6010C
Copper		98.1	25		ug/l	SW846 6010C
Iron		1740	300		ug/l	SW846 6010C
Lead		69.2	5.0		ug/l	SW846 6010C
Magnesium		14900	5000		ug/l	SW846 6010C
Manganese		56.5	15		ug/l	SW846 6010C
Sodium		100000	20000		ug/l	SW846 6010C
Strontium		254	10		ug/l	SW846 6010C
Titanium		95.7	10		ug/l	SW846 6010C
Zinc		538	20		ug/l	SW846 6010C

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18382.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.24	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0676988.D	4	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	190	38	ug/l	
95-57-8	2-Chlorophenol	ND	19	2.0	ug/l	
	3&4-Methylphenol	ND	19	4.5	ug/l	
208-96-8	Acenaphthylene	ND	19	1.9	ug/l	
100-51-6	Benzyl Alcohol	5.7	19	3.8	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	19	6.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	19	2.0	ug/l	
91-20-3	Naphthalene	ND	19	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		14-67%
4165-62-2	Phenol-d5	28%		10-50%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	85%		42-108%
321-60-8	2-Fluorobiphenyl	83%		40-106%
1718-51-0	Terphenyl-d14	95%		39-121%

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

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

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

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM09924.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
Run #2							

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

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		38-127%
2051-24-3	Decachlorobiphenyl	67%		25-137%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 1		
Lab Sample ID:	FA12580-1	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	313	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	6.7	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	31300	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	18.0	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	34.3	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	343	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	29.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	13900	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	< 15	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	103000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	208	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	212	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	69.8	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12580-2	**Date Sampled:**	02/18/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18383.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12580-2	**Date Sampled:**	02/18/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

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

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

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA12580-2	**Date Sampled:**	02/18/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12580-3	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677021.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	10.1	48	9.5	ug/l	J
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-51-6	Benzyl Alcohol	12.6	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.5	4.8	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	91%		33-118%
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12580-3	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364609.D	1	02/21/14	EM	02/19/14	OP50540	GTT1430
Run #2							

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

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC	ND	0.047	0.0047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		42-127%
2051-24-3	Decachlorobiphenyl	52%		27-127%

(a) All hits confirmed by dual column analysis.

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

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

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12580-3	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM09927.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
Run #2							

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

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		38-127%
2051-24-3	Decachlorobiphenyl	50%		25-137%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 2		
Lab Sample ID:	FA12580-3	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	561	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	391	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	9.6	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	33900	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	33.0	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	45.9	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	714	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	77.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	14000	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	21.3	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	0.79	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	12100	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	105000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	225	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	440	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	143	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12580-4	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

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

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
100-51-6	Benzyl Alcohol	6.7	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	4.7	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-67%
4165-62-2	Phenol-d5	22%		10-50%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12580-4	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364610.D	1	02/21/14	EM	02/19/14	OP50540	GTT1430
Run #2							

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

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.047	0.0047	ug/l	
319-86-8	delta-BHC [b]	0.0072	0.047	0.0047	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		42-127%
2051-24-3	Decachlorobiphenyl	34%		27-127%

(a) All hits confirmed by dual column analysis.
(b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

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

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

Report of Analysis

Client Sample ID:	BLD B RM 4		
Lab Sample ID:	FA12580-4	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2220	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	6.8	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	659	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	23.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	50700	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	74.5	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	139	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	2620	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	118	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15100	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	82.1	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	0.96	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	10500	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	106000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	324	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	224	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	510	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12580-5	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677023.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

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

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	47	9.4	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	0.56	ug/l	
100-51-6	Benzyl Alcohol	26.9	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	4.7	1.5	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		14-67%
4165-62-2	Phenol-d5	29%		10-50%
118-79-6	2,4,6-Tribromophenol	97%		33-118%
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	81%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 5		
Lab Sample ID:	FA12580-5	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	976	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	1050	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	60500	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	108	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	73.4	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	2660	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	264	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15900	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	118	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	0.55	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	21500	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	189000	40000	ug/l	4	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	266	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	32.2	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	583	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18384.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677024.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	14.0	48	9.5	ug/l	J
95-57-8	2-Chlorophenol	ND	4.8	0.49	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.48	ug/l	
100-51-6	Benzyl Alcohol	1.7	4.8	0.95	ug/l	J
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.64	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	87%		33-118%
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM09930.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
Run #2							

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

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.47	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		38-127%
2051-24-3	Decachlorobiphenyl	68%		25-137%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 6		
Lab Sample ID:	FA12580-6	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1260	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	255	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	50000	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	34.3	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	97.8	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	1970	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	68.4	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15300	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	55.3	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	101000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	258	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	103	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	525	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18385.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0677025.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408
Run #2							

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

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	55.0	47	9.4	ug/l	
95-57-8	2-Chlorophenol	ND	4.7	0.49	ug/l	
	3&4-Methylphenol	ND	4.7	1.1	ug/l	
208-96-8	Acenaphthylene	ND	4.7	0.47	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	0.94	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.8	4.7	1.5	ug/l	J
91-20-3	Naphthalene	ND	4.7	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-67%
4165-62-2	Phenol-d5	26%		10-50%
118-79-6	2,4,6-Tribromophenol	86%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

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

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

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	TT364613.D	2	02/21/14	EM	02/19/14	OP50540	GTT1430
Run #2							

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

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.094	0.0094	ug/l	
319-86-8	delta-BHC	ND	0.094	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		42-127%
2051-24-3	Decachlorobiphenyl	27%		27-127%

(a) All hits confirmed by dual column analysis.

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

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

Report of Analysis

Client Sample ID:	BLD B RM 7		
Lab Sample ID:	FA12580-7	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1570	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	6.1	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	61500	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	34.1	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	60.2	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	2350	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	88.1	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	15100	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	78.0	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	104000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	278	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	92.1	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	382	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I18386.D	1	02/24/14	WV	n/a	n/a	VI310
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	2.5	1.0	0.26	ug/l	
75-25-2	Bromoform	0.44	1.0	0.38	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.7	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	2.4	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

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

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

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

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J = Indicates an estimated value
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Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits.

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

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0676996.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	12.2	48	9.5	ug/l	J
95-57-8	2-Chlorophenol	ND	4.8	0.49	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.48	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.55	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	0.48	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	5.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.48	ug/l	
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.57	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.8	ug/l	
108-95-2	Phenol	0.78	4.8	0.48	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.8	0.93	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.53	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.48	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.48	ug/l	
62-53-3	Aniline	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.59	ug/l	
92-87-5	Benzidine	ND	24	4.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.61	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.62	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.68	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.77	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.49	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.64	ug/l	
85-68-7	Butyl benzyl phthalate	1.1	4.8	0.77	ug/l	J
100-51-6	Benzyl Alcohol	2.1	4.8	0.95	ug/l	J
91-58-7	2-Chloronaphthalene	ND	4.8	0.53	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.48	ug/l	
86-74-8	Carbazole	ND	4.8	0.59	ug/l	
218-01-9	Chrysene	ND	4.8	0.69	ug/l	

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Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.52	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.66	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.55	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.51	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.48	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.64	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.48	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.48	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.60	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.8	0.86	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	1.1	4.8	0.95	ug/l	J
117-84-0	Di-n-octyl phthalate	1.0	4.8	0.95	ug/l	J
84-66-2	Diethyl phthalate	ND	4.8	0.95	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.60	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	4.8	1.5	ug/l	J
206-44-0	Fluoranthene	ND	4.8	0.67	ug/l	
86-73-7	Fluorene	ND	4.8	0.48	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.63	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	0.95	ug/l	
67-72-1	Hexachloroethane	ND	4.8	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.60	ug/l	
78-59-1	Isophorone	ND	4.8	0.48	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.51	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.58	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.72	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.48	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.51	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.57	ug/l	
129-00-0	Pyrene	ND	4.8	0.78	ug/l	
110-86-1	Pyridine	ND	9.5	1.9	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.48	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; Wichita, KS		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-67%
4165-62-2	Phenol-d5	20%		10-50%
118-79-6	2,4,6-Tribromophenol	82%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

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Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	FA12580-8	**Date Sampled:**	02/18/14
Matrix:	AQ - Water	**Date Received:**	02/19/14
		Percent Solids:	n/a
Project:	Clean Harbors; Wichita, KS		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1160	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Antimony	< 6.0	6.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Arsenic	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Barium	203	200	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Beryllium	< 4.0	4.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cadmium	< 5.0	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Calcium	50300	1000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Chromium	32.1	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Copper	98.1	25	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Iron	1740	300	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Lead	69.2	5.0	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Magnesium	14900	5000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Manganese	56.5	15	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.50	0.50	ug/l	1	02/20/14	02/20/14	JL	SW846 7470A [1]	SW846 7470A [4]
Molybdenum	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Nickel	< 40	40	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Sodium	100000	20000	ug/l	2	02/20/14	02/21/14	LM	SW846 6010C [3]	SW846 3010A [5]
Strontium	254	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Thallium	< 10	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Tin	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Titanium	95.7	10	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]
Zinc	538	20	ug/l	1	02/20/14	02/20/14	LM	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA11407
(2) Instrument QC Batch: MA11408
(3) Instrument QC Batch: MA11412
(4) Prep QC Batch: MP26844
(5) Prep QC Batch: MP26846

RL = Reporting Limit

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 South Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail: bgerber@isienvironmental.com
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	MeOH	HNO3	H2SO4	NaOH-ZnAc	DI Water	MeOH	Benzene / Naphthalene (8260B)	Benzoic Acid / 2-Chlorophenol	3 & 4 Methylphenol	Bis(2-Ethylhexyl) phthalate	Acetophenone / Alcohol	1-Methylnaphthalene	Naphthalene (8270D)	Aroclor 1260 (8082A)	Cadmium / Chromium	Iron / Lead / Potassium / Sodium	Manganese / Mercury / Titanium	LAB USE ONLY
1	Bld B Rm 1	2-18-14	1100	BG	WW	8		X	X		X					X	X	X	X	X	X	X	X	X	X	X	
2	Trip Blank															X											

Matrix Codes

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

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	2-18-14/1600	2 FP	3 FP 022914	930	4 [signature]
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.2, 2.6, 2.6, 2.4

4.1 4

FA12580: Chain of Custody
Page 1 of 11

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 # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Benzoic Acid / 2-Nitrophenol / Benzyl Alcohol	bis (2-ethylhexyl) phthalate (8270D)	beta-BHC / delta-BHC (8081B)	Aroclor 1260 (8082A)	Antimony / Arsenic / Barium	Cadmium / Chromium / Iron	Lead / Manganese / Mercury	Potassium / Sodium / Selenium	Titanium			
3	Bld B Rm 2	2-8-14	1045	BG	WW	5		X			X					X	X	X	X	X	X	X	X	X			

Matrix Codes

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

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH — 5-7 day Rush
- ☒ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14/1600	2 FP	3 FP 02-19-14	930	4 [illegible]
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

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

4.1 4

FA12580: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

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TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: JSI Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Strat Klaus

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	Benzene Acid / 3+4 Methylphenol	Benzyl Alcohol	bis (2-Ethylhexyl) phthalate	beta-BHC / delta-BHC	Antimony / Arsenic / Barium	Cadmium / Chromium / Iron	Lead / Manganese	Mercury / Potassium	Sodium / Strontium	Titanium	LAB USE ONLY
4	Bld B Rm 4	2-18-14	1145	BG	ww	5		X			X					X	X	X	X	X	X	X	X	X	X	

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

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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- ☒ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

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

Data Deliverable Information

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- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by :	Date Time:	Received By:
1 Brady Gerber	2-18-14/1600	2 [illegible]	3 [illegible] 02-19-14	930	4 [illegible]
Relinquished by:	**Date Time:**	**Received By:**	**Relinquished by:**	**Date Time:**	**Received By:**
5		6	7		8

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

4.1 4

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

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Company Name: iSi Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Klaus

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	HEOH	Benzoic Acid (3+4 Methylphenol)	2-Nitrophenol / Benzyl Alcohol	bis (2-Ethylhexyl) phthalate	Antimony / Arsenic / Barium	Cadmium / Chromium	Iron / Lead / Manganese	Potassium / Sodium	Strontium / Titanium			
5	Bld B Rm 5	2-18-14	1155	BG	WW	3		X			X					X	X	X	X	X	X	X	X			

Matrix Codes

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

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady G	2-18-14/1600	2 RP	3 RP 02-19-14	930	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

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

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Company Name: JSI Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stewart Klaus

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	NaOH	Naphthalene (8260B)	Benzoic Acid / 2-chlorophenol	3+4 Methylphenol / 2-Nitrophenol	Acetophenone	Benzyl Alcohol	1,3-Dichloro hydrobenzene	Antimony / Arsenic / Cadmium	Chromium / Iron / Lead	Manganese / Mercury	Potassium / Sodium	Selenium / Thallium
6	Bld B Rm 6	2-18-14	1210	BG	WW	6		X			X					X	X	X	X	X	X	X	X	X	X	X
	Trip Blank															X										

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
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LAB USE ONLY

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- ☐ 2 Day EMERGENCY
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- ☐ 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 [illegible]	2-18-13 / 1600	2 KO	3 KO 02/19/14	930	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

FA12580: Chain of Custody
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Accutest JOB # FA12580 PAGE 1 OF 1

Accutest Quote # | SKIFF#

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Company Name: JSI Environmental
Address: 215 S. Laura
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Stuart Kluns

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Naphthalene (8260B)	Benzoic Acid/3-4-Methylphenol/Phenol	Acenaphthylene/Acetophenone/Phenol	bis (2-Ethylhexyl) phthalate	Naphthalene (8270D)	beta-BHC/delta-BHC	2-4-D/Dichlorprop	Antimony/Arsenic/Cadmium	Chromium/Iron/Lead	Manganese/Potassium	Selenium/Silver/Thallium
17	Bldg B Rm 7	2-18-14	1245	BG	WW	6		X	X		X					X	X	X	X	X	X	X	X	X	X	X
	Trip Blank															X										

Matrix Codes

DW - Drinking Water
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WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
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LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH — 5-7 day Rush
- ☒ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

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

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
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- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14/1600	2 RP	3 RP 02-19-14	930	4 RW
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

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

4.1 4

FA12580: Chain of Custody
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Accutest JOB # FA12580

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: iSi Environmental
Address: 215 S. Lacon
City: Wichita State: KS Zip: 67211
Project Contact: Brady Gerber E-mail:
Phone#: 316-264-7050
Sampler(s) Name(s) (Printed): Brady Gerber / Grant Klaus

Project Information

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

Analytical Information

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	VOC's	SVOC's	Metals	LAB USE ONLY
8	Dup-3	2-18-14		BG	WW	6		X	X							X	X	X	
	Trip Blank															X			

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH
- ☒ 5 Day RUSH — 5-7 day Rush
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Brady Gerber	2-18-14 1600	2 TO	3 FP 02-19-14	930	4 RWilk 02-19-14 ACSK
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

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

4.1 4

FA12580: Chain of Custody
Page 7 of 11

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA12580 CLIENT: JST PROJECT: Clean Harbor

DATE/TIME RECEIVED: 02-19-14 930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 4

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

AIRBILL NUMBERS: 8047 3475 7225 / 9462 / 9484 / 9495

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 2.6 30 30 2.8
- [ ] CORRECTED TEMPS: 2.2 26, 26, 24

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Received 1 trip Blank only. ~~Received 1 Field Sample Dup.3 2-18-14~~ ~~3 8260 vials 2 1000ml Ambers 8270, 1 1000ml Metals bottles Will Be Sample #~~ 8

TECHNICIAN SIGNATURE/DATE RWilm 02-19-14 REVIEWER SIGNATURE/DATE 02/19/14

NF 12/10

receipt confirmation 122910.xls

4.1

4

FA12580: Chain of Custody

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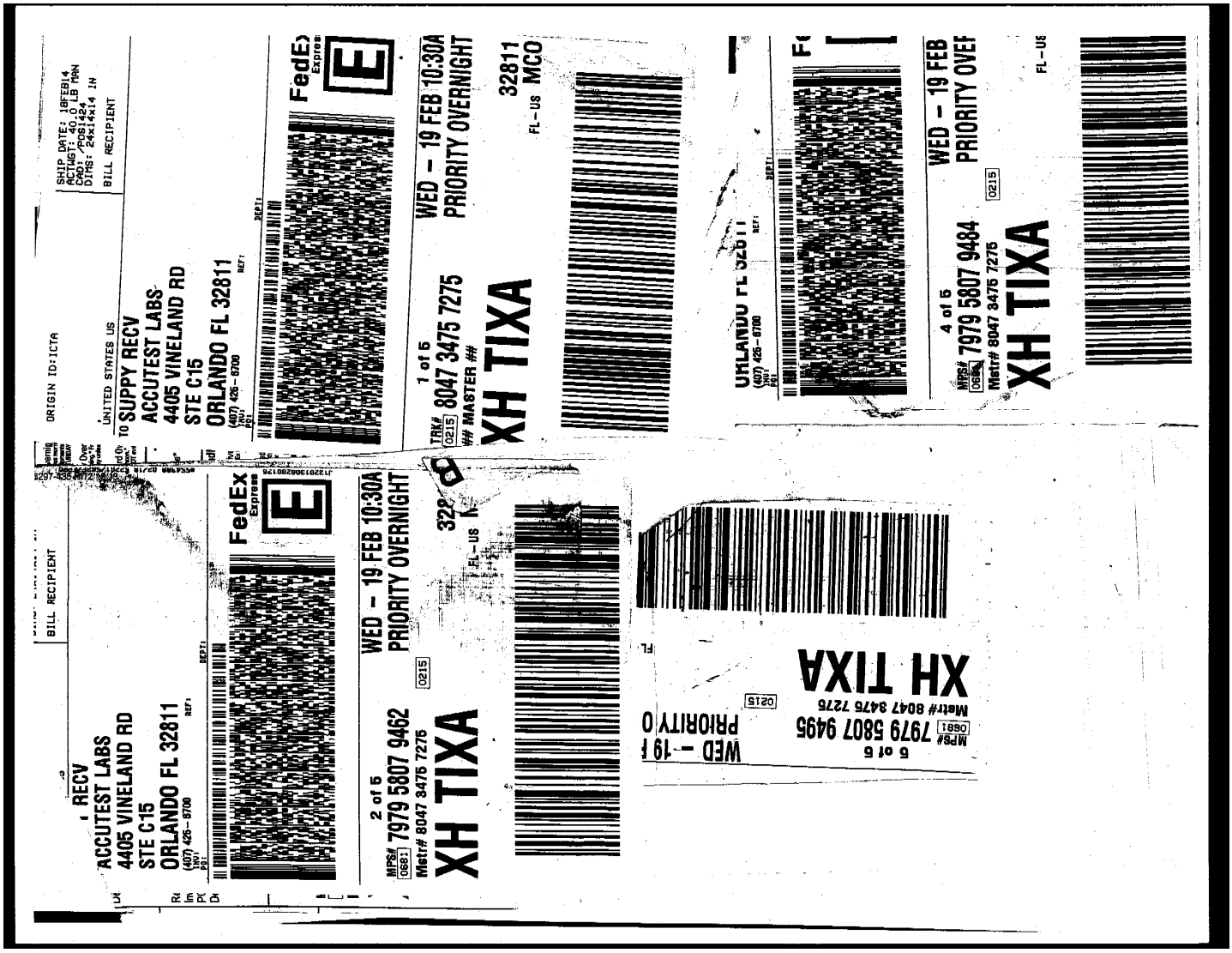

FA12580: Chain of Custody

Page 9 of 11

Job Change Order: FA12580_2/27/2014

Requested Date:	2/28/2014	**Received Date:**	2/19/2014
Account Name:	ISI Environmental Services	**Due Date:**	2/26/2014
Project	Clean Harbors; Wichita,KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #: FA12580-1 — **Change:** Please remove 8151, 8081 methods were not requested per COC. Thank you.

BLD B RM 1

Sample #: FA12580-3 — **Change:** Please remove 8260, 8151 methods were not requested per COC. Thank you.

BLD B RM 2

Sample #: FA12580-4 — **Change:** Please remove 8260, 8082, 8151 methods were not requested per COC. Thank you.

BLD B RM 4

Sample #: FA12580-5 — **Change:** Please remove 8260, 8082, 8151, 8081 methods were not requested per COC. Thank you.

BLD B RM 5

Sample #: FA12580-6 — **Change:** Please remove 8151, 8081, 8082 methods were not requested per COC. Thank you.

BLD B RM 6

Sample #: FA12580-7 — **Change:** Please remove 8082 method not requested per COC. Client will provide additional volume for 8151. Thank you.

BLD B RM 7

Above Changes Per: Client **Date:** 2/28/2014

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

Job Change Order: FA12580_3/17/2014

Requested Date:	3/17/2014	**Received Date:**	2/19/2014
Account Name:	ISI Environmental Services	**Due Date:**	3/7/2014
Project	Clean Harbors; Wichita, KS	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #:
FA12580-7

Change: Please remove 8151per request of client, sample will not be recollected at this tme. Thank you.

BLD B RM 7

Above Changes Per: Client, Brady Gerber, via e-mail **Date:** 3/17/2014

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

Page 1 of 1

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-MB	I18365.D	1	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-MB	I18365.D	1	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-MB	I18365.D	1	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-BS	I18364.D	1	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	83.1	66	50-147
107-02-8	Acrolein	125	90.5	72	31-154
107-13-1	Acrylonitrile	125	129	103	58-126
71-43-2	Benzene	25	25.6	102	81-122
108-86-1	Bromobenzene	25	23.9	96	80-121
74-97-5	Bromochloromethane	25	22.2	89	76-123
75-27-4	Bromodichloromethane	25	25.1	100	79-123
75-25-2	Bromoform	25	22.7	91	66-123
104-51-8	n-Butylbenzene	25	25.6	102	79-126
135-98-8	sec-Butylbenzene	25	29.0	116	83-133
98-06-6	tert-Butylbenzene	25	26.8	107	80-133
108-90-7	Chlorobenzene	25	25.5	102	82-124
75-00-3	Chloroethane	25	25.7	103	62-144
67-66-3	Chloroform	25	23.9	96	80-124
95-49-8	o-Chlorotoluene	25	25.7	103	81-127
106-43-4	p-Chlorotoluene	25	26.5	106	83-130
110-75-8	2-Chloroethyl vinyl ether	125	193	154*	56-122
75-15-0	Carbon disulfide	25	21.5	86	66-148
56-23-5	Carbon tetrachloride	25	26.7	107	76-136
75-34-3	1,1-Dichloroethane	25	27.0	108	81-122
75-35-4	1,1-Dichloroethylene	25	25.6	102	78-137
563-58-6	1,1-Dichloropropene	25	28.3	113	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.9	104	64-123
106-93-4	1,2-Dibromoethane	25	23.0	92	75-120
107-06-2	1,2-Dichloroethane	25	23.6	94	75-125
78-87-5	1,2-Dichloropropane	25	26.9	108	76-124
142-28-9	1,3-Dichloropropane	25	24.4	98	80-118
594-20-7	2,2-Dichloropropane	25	27.5	110	74-139
124-48-1	Dibromochloromethane	25	24.8	99	78-122
75-71-8	Dichlorodifluoromethane	25	34.9	140	42-167
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	75-118
541-73-1	m-Dichlorobenzene	25	27.0	108	84-125
95-50-1	o-Dichlorobenzene	25	26.0	104	82-124
106-46-7	p-Dichlorobenzene	25	24.3	97	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.5	106	76-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-BS	I18364.D	1	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	80-120
100-41-4	Ethylbenzene	25	24.7	99	81-121
591-78-6	2-Hexanone	125	117	94	61-129
87-68-3	Hexachlorobutadiene	25	30.7	123	75-142
98-82-8	Isopropylbenzene	25	28.1	112	83-132
99-87-6	p-Isopropyltoluene	25	28.1	112	79-130
108-10-1	4-Methyl-2-pentanone	125	128	102	66-122
74-83-9	Methyl bromide	25	27.5	110	59-143
74-87-3	Methyl chloride	25	36.6	146	50-159
74-95-3	Methylene bromide	25	22.6	90	78-119
75-09-2	Methylene chloride	25	25.5	102	69-135
78-93-3	Methyl ethyl ketone	125	104	83	56-143
1634-04-4	Methyl Tert Butyl Ether	25	21.1	84	72-117
91-20-3	Naphthalene	25	25.4	102	63-132
103-65-1	n-Propylbenzene	25	28.0	112	82-133
100-42-5	Styrene	25	23.9	96	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	77-122
71-55-6	1,1,1-Trichloroethane	25	25.7	103	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	72-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.9	112	68-131
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-120
120-82-1	1,2,4-Trichlorobenzene	25	27.3	109	73-129
95-63-6	1,2,4-Trimethylbenzene	25	24.6	98	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.9	96	79-120
127-18-4	Tetrachloroethylene	25	25.6	102	76-135
108-88-3	Toluene	25	24.7	99	80-120
79-01-6	Trichloroethylene	25	24.7	99	81-126
75-69-4	Trichlorofluoromethane	25	26.0	104	71-156
75-01-4	Vinyl chloride	25	30.2	121	69-159
108-05-4	Vinyl Acetate	125	225	180*	43-154
	m,p-Xylene	50	51.6	103	79-126
95-47-6	o-Xylene	25	26.3	105	80-127

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI310-BS	I18364.D	1	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12414-1MS	I18387.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1MSD	I18388.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1	I18366.D	250	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12414-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	6300	U	31300	18300	59	19100	61	4	50-147/21
107-02-8	Acrolein	5000	U	31300	40700	130	37700	121	8	31-154/29
107-13-1	Acrylonitrile	2500	U	31300	32700	105	33600	108	3	58-126/16
71-43-2	Benzene	250	U	6250	6490	104	6240	100	4	81-122/14
108-86-1	Bromobenzene	250	U	6250	5680	91	5700	91	0	80-121/14
74-97-5	Bromochloromethane	250	U	6250	5570	89	5360	86	4	76-123/14
75-27-4	Bromodichloromethane	250	U	6250	6100	98	6140	98	1	79-123/19
75-25-2	Bromoform	250	U	6250	5270	84	5450	87	3	66-123/21
104-51-8	n-Butylbenzene	250	U	6250	6220	100	6120	98	2	79-126/16
135-98-8	sec-Butylbenzene	250	U	6250	7000	112	6920	111	1	83-133/16
98-06-6	tert-Butylbenzene	250	U	6250	6440	103	6400	102	1	80-133/16
108-90-7	Chlorobenzene	250	U	6250	6430	103	6340	101	1	82-124/14
75-00-3	Chloroethane	500	U	6250	5940	95	6220	100	5	62-144/20
67-66-3	Chloroform	250	U	6250	6210	99	5950	95	4	80-124/15
95-49-8	o-Chlorotoluene	250	U	6250	6350	102	6250	100	2	81-127/15
106-43-4	p-Chlorotoluene	250	U	6250	6510	104	6480	104	0	83-130/15
110-75-8	2-Chloroethyl vinyl ether	1300	U	31300	39900	128*	40600	130*	2	56-122/23
75-15-0	Carbon disulfide	500	U	6250	5320	85	5040	81	5	66-148/23
56-23-5	Carbon tetrachloride	250	U	6250	6590	105	6260	100	5	76-136/23
75-34-3	1,1-Dichloroethane	250	U	6250	6930	111	6740	108	3	81-122/15
75-35-4	1,1-Dichloroethylene	250	U	6250	6330	101	6200	99	2	78-137/18
563-58-6	1,1-Dichloropropene	250	U	6250	6920	111	6650	106	4	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	500	U	6250	5690	91	5810	93	2	64-123/18
106-93-4	1,2-Dibromoethane	250	U	6250	5410	87	5620	90	4	75-120/13
107-06-2	1,2-Dichloroethane	250	U	6250	5900	94	5910	95	0	75-125/14
78-87-5	1,2-Dichloropropane	250	U	6250	6680	107	6700	107	0	76-124/14
142-28-9	1,3-Dichloropropane	250	U	6250	5920	95	5890	94	1	80-118/13
594-20-7	2,2-Dichloropropane	250	U	6250	5910	95	5890	94	0	74-139/17
124-48-1	Dibromochloromethane	250	U	6250	5880	94	5970	96	2	78-122/19
75-71-8	Dichlorodifluoromethane	500	U	6250	8050	129	8220	132	2	42-167/19
156-59-2	cis-1,2-Dichloroethylene	2350		6250	8310	95	8190	93	1	78-120/15
10061-01-5	cis-1,3-Dichloropropene	250	U	6250	6020	96	5990	96	0	75-118/23
541-73-1	m-Dichlorobenzene	250	U	6250	6460	103	6540	105	1	84-125/14
95-50-1	o-Dichlorobenzene	250	U	6250	6360	102	6380	102	0	82-124/14
106-46-7	p-Dichlorobenzene	250	U	6250	5950	95	5930	95	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	492		6250	7140	106	6870	102	4	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12414-1MS	I18387.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1MSD	I18388.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1	I18366.D	250	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12414-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	250 U		6250	6350	102	6410	103	1	80-120/22
100-41-4	Ethylbenzene	250 U		6250	6300	101	6090	97	3	81-121/14
591-78-6	2-Hexanone	2500 U		31300	27400	88	28800	92	5	61-129/18
87-68-3	Hexachlorobutadiene	500 U		6250	6540	105	6820	109	4	75-142/19
98-82-8	Isopropylbenzene	250 U		6250	6920	111	6830	109	1	83-132/15
99-87-6	p-Isopropyltoluene	250 U		6250	6730	108	6680	107	1	79-130/16
108-10-1	4-Methyl-2-pentanone	1300 U		31300	30900	99	32000	102	3	66-122/16
74-83-9	Methyl bromide	500 U		6250	6680	107	6810	109	2	59-143/19
74-87-3	Methyl chloride	500 U		6250	9080	145	9250	148	2	50-159/19
74-95-3	Methylene bromide	500 U		6250	5560	89	5460	87	2	78-119/14
75-09-2	Methylene chloride	515	I	6250	7130	106	7060	105	1	69-135/16
78-93-3	Methyl ethyl ketone	1300 U		31300	23800	76	25200	81	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	250 U		6250	4910	79	5070	81	3	72-117/14
91-20-3	Naphthalene	1300 U		6250	5440	87	5750	92	6	63-132/25
103-65-1	n-Propylbenzene	250 U		6250	6870	110	6690	107	3	82-133/15
100-42-5	Styrene	250 U		6250	6040	97	6050	97	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	250 U		6250	6240	100	6300	101	1	77-122/19
71-55-6	1,1,1-Trichloroethane	250 U		6250	6460	103	6250	100	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	250 U		6250	5790	93	5950	95	3	72-120/14
79-00-5	1,1,2-Trichloroethane	250 U		6250	5950	95	6060	97	2	76-119/14
87-61-6	1,2,3-Trichlorobenzene	250 U		6250	6040	97	6430	103	6	68-131/25
96-18-4	1,2,3-Trichloropropane	500 U		6250	5250	84	5340	85	2	77-120/16
120-82-1	1,2,4-Trichlorobenzene	250 U		6250	5990	96	6100	98	2	73-129/20
95-63-6	1,2,4-Trimethylbenzene	500 U		6250	6000	96	5900	94	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	500 U		6250	5760	92	5690	91	1	79-120/19
127-18-4	Tetrachloroethylene	250 U		6250	6000	96	5910	95	2	76-135/16
108-88-3	Toluene	250 U		6250	6110	98	6020	96	1	80-120/14
79-01-6	Trichloroethylene	250 U		6250	6150	98	6040	97	2	81-126/15
75-69-4	Trichlorofluoromethane	500 U		6250	6330	101	6340	101	0	71-156/21
75-01-4	Vinyl chloride	10900		6250	16700	93	18000	114	7	69-159/18
108-05-4	Vinyl Acetate	2500 U		31300	58500	187*	58400	187*	0	43-154/14
	m,p-Xylene	500 U		12500	12800	102	12500	100	2	79-126/15
95-47-6	o-Xylene	250 U		6250	6530	104	6410	103	2	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA12414-1MS	I18387.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1MSD	I18388.D	250	02/24/14	WV	n/a	n/a	VI310
FA12414-1	I18366.D	250	02/24/14	WV	n/a	n/a	VI310

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

FA12580-1, FA12580-2, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12414-1	Limits
1868-53-7	Dibromofluoromethane	103%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	101%	100%	79-125%
2037-26-5	Toluene-D8	95%	95%	98%	85-112%
460-00-4	4-Bromofluorobenzene	92%	94%	100%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MB	L0676985.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	14-67%
4165-62-2	Phenol-d5	36%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	22.0	22	10-69
95-57-8	2-Chlorophenol	50	35.4	71	52-98
59-50-7	4-Chloro-3-methyl phenol	50	35.7	71	54-103
120-83-2	2,4-Dichlorophenol	50	35.6	71	53-103
105-67-9	2,4-Dimethylphenol	50	32.0	64	43-90
51-28-5	2,4-Dinitrophenol	100	83.6	84	44-112
534-52-1	4,6-Dinitro-o-cresol	100	99.9	100	66-121
95-48-7	2-Methylphenol	50	34.4	69	43-90
	3&4-Methylphenol	100	63.9	64	36-88
88-75-5	2-Nitrophenol	50	36.0	72	53-102
100-02-7	4-Nitrophenol	100	38.1	38	18-62
87-86-5	Pentachlorophenol	100	95.2	95	61-115
108-95-2	Phenol	50	20.4	41	19-56
95-95-4	2,4,5-Trichlorophenol	50	41.4	83	62-109
88-06-2	2,4,6-Trichlorophenol	50	42.9	86	59-107
83-32-9	Acenaphthene	50	40.3	81	61-107
208-96-8	Acenaphthylene	50	40.7	81	60-104
62-53-3	Aniline	50	34.9	70	47-100
120-12-7	Anthracene	50	41.2	82	65-108
92-87-5	Benzidine	50	29.8	60	25-99
56-55-3	Benzo(a)anthracene	50	41.4	83	66-111
50-32-8	Benzo(a)pyrene	50	39.7	79	62-107
205-99-2	Benzo(b)fluoranthene	50	41.5	83	65-114
191-24-2	Benzo(g,h,i)perylene	50	41.0	82	66-116
207-08-9	Benzo(k)fluoranthene	50	38.7	77	65-114
101-55-3	4-Bromophenyl phenyl ether	50	34.8	70	65-109
85-68-7	Butyl benzyl phthalate	50	42.4	85	65-112
100-51-6	Benzyl Alcohol	50	40.2	80	46-94
91-58-7	2-Chloronaphthalene	50	38.7	77	57-103
106-47-8	4-Chloroaniline	50	35.3	71	49-105
86-74-8	Carbazole	50	42.0	84	59-113
218-01-9	Chrysene	50	44.1	88	66-111
111-91-1	bis(2-Chloroethoxy)methane	50	36.4	73	51-102
111-44-4	bis(2-Chloroethyl)ether	50	37.2	74	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	38.4	77	45-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.8	76	62-105

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	32.1	64	48-97
122-66-7	1,2-Diphenylhydrazine	50	40.7	81	61-110
541-73-1	1,3-Dichlorobenzene	50	33.1	66	45-95
106-46-7	1,4-Dichlorobenzene	50	35.5	71	45-98
121-14-2	2,4-Dinitrotoluene	50	40.7	81	61-110
606-20-2	2,6-Dinitrotoluene	50	39.1	78	63-108
91-94-1	3,3'-Dichlorobenzidine	50	38.9	78	46-117
53-70-3	Dibenzo(a,h)anthracene	50	40.4	81	66-119
132-64-9	Dibenzofuran	50	40.3	81	61-106
84-74-2	Di-n-butyl phthalate	50	41.2	82	65-107
117-84-0	Di-n-octyl phthalate	50	39.9	80	62-118
84-66-2	Diethyl phthalate	50	38.9	78	64-108
131-11-3	Dimethyl phthalate	50	40.5	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.6	85	61-117
206-44-0	Fluoranthene	50	40.6	81	63-106
86-73-7	Fluorene	50	40.9	82	62-108
118-74-1	Hexachlorobenzene	50	40.8	82	63-108
87-68-3	Hexachlorobutadiene	50	31.5	63	42-102
77-47-4	Hexachlorocyclopentadiene	50	26.8	54	39-102
67-72-1	Hexachloroethane	50	31.8	64	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.4	81	64-119
78-59-1	Isophorone	50	35.3	71	43-87
90-12-0	1-Methylnaphthalene	50	34.8	70	53-102
91-57-6	2-Methylnaphthalene	50	34.9	70	51-102
88-74-4	2-Nitroaniline	50	42.4	85	54-128
99-09-2	3-Nitroaniline	50	41.9	84	56-106
100-01-6	4-Nitroaniline	50	41.0	82	55-120
91-20-3	Naphthalene	50	33.8	68	47-100
98-95-3	Nitrobenzene	50	34.6	69	50-104
62-75-9	N-Nitrosodimethylamine	50	26.0	52	28-78
621-64-7	N-Nitroso-di-n-propylamine	50	38.7	77	52-104
86-30-6	N-Nitrosodiphenylamine	50	41.7	83	64-108
85-01-8	Phenanthrene	50	42.1	84	66-110
129-00-0	Pyrene	50	39.8	80	64-113
110-86-1	Pyridine	50	24.8	50	23-74
120-82-1	1,2,4-Trichlorobenzene	50	31.6	63	45-97

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-BS	L0676984.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	14-67%
4165-62-2	Phenol-d5	38%	10-50%
118-79-6	2,4,6-Tribromophenol	91%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	93%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		190	89.1	47	82.2	43	8	10-69/39
95-57-8	2-Chlorophenol	ND		95.2	56.6	59	54.1	57	5	52-98/25
59-50-7	4-Chloro-3-methyl phenol	ND		95.2	68.4	72	67.0	70	2	54-103/23
120-83-2	2,4-Dichlorophenol	ND		95.2	58.2	61	59.3	62	2	53-103/26
105-67-9	2,4-Dimethylphenol	ND		95.2	56.1	59	57.2	60	2	43-90/27
51-28-5	2,4-Dinitrophenol	ND		190	151	79	142	75	6	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		190	171	90	163	86	5	66-121/23
95-48-7	2-Methylphenol	ND		95.2	56.2	59	54.9	58	2	43-90/28
	3&4-Methylphenol	ND		190	110	58	105	55	5	36-88/28
88-75-5	2-Nitrophenol	ND		95.2	59.1	62	59.7	63	1	53-102/29
100-02-7	4-Nitrophenol	ND		190	93.0	49	86.2	45	8	18-62/33
87-86-5	Pentachlorophenol	ND		190	179	94	161	85	11	61-115/26
108-95-2	Phenol	2.7	J	95.2	43.2	43	40.4	40	7	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		95.2	70.9	74	71.7	75	1	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		95.2	71.3	75	66.7	70	7	59-107/23
83-32-9	Acenaphthene	ND		95.2	69.2	73	69.9	73	1	61-107/22
208-96-8	Acenaphthylene	ND		95.2	68.6	72	67.7	71	1	60-104/22
62-53-3	Aniline	ND		95.2	42.6	45*	44.5	47	4	47-100/30
120-12-7	Anthracene	ND		95.2	72.9	77	71.3	75	2	65-108/20
92-87-5	Benzidine	ND		95.2	ND	0*	ND	0*	nc	25-99/31
56-55-3	Benzo(a)anthracene	ND		95.2	73.8	77	67.8	71	8	66-111/22
50-32-8	Benzo(a)pyrene	ND		95.2	70.0	74	66.8	70	5	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		95.2	70.8	74	69.9	73	1	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		95.2	80.4	84	75.7	79	6	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		95.2	74.3	78	67.8	71	9	65-114/24
101-55-3	4-Bromophenyl phenyl ether	ND		95.2	60.6	64*	58.6	62*	3	65-109/23
85-68-7	Butyl benzyl phthalate	ND		95.2	74.6	78	71.2	75	5	65-112/24
100-51-6	Benzyl Alcohol	6.7		95.2	79.1	76	76.4	73	3	46-94/27
91-58-7	2-Chloronaphthalene	ND		95.2	64.0	67	62.7	66	2	57-103/23
106-47-8	4-Chloroaniline	ND		95.2	51.8	54	55.0	58	6	49-105/27
86-74-8	Carbazole	ND		95.2	76.3	80	72.9	77	5	59-113/21
218-01-9	Chrysene	ND		95.2	80.5	85	74.5	78	8	66-111/22
111-91-1	bis(2-Chloroethoxy)methane	ND		95.2	58.1	61	62.8	66	8	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		95.2	56.7	60	57.0	60	1	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		95.2	61.3	64	57.8	61	6	45-106/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		95.2	68.2	72	64.7	68	5	62-105/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Compound	FA12580-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		95.2	55.5	58	52.3	55	6	48-97/24
122-66-7	1,2-Diphenylhydrazine	ND		95.2	72.8	76	71.4	75	2	61-110/24
541-73-1	1,3-Dichlorobenzene	ND		95.2	52.9	56	52.6	55	1	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		95.2	56.5	59	54.7	57	3	45-98/25
121-14-2	2,4-Dinitrotoluene	ND		95.2	74.3	78	70.0	74	6	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		95.2	70.4	74	69.6	73	1	63-108/21
91-94-1	3,3'-Dichlorobenzidine	ND		95.2	24.9	26*	27.1	28*	8	46-117/29
53-70-3	Dibenzo(a,h)anthracene	ND		95.2	79.3	83	74.4	78	6	66-119/24
132-64-9	Dibenzofuran	ND		95.2	70.7	74	69.4	73	2	61-106/21
84-74-2	Di-n-butyl phthalate	5.6		95.2	77.7	76	73.2	71	6	65-107/21
117-84-0	Di-n-octyl phthalate	3.1	J	95.2	74.0	74	68.1	68	8	62-118/24
84-66-2	Diethyl phthalate	ND		95.2	70.6	74	68.1	72	4	64-108/21
131-11-3	Dimethyl phthalate	ND		95.2	70.8	74	69.4	73	2	63-106/22
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	J	95.2	86.1	87	79.9	81	7	61-117/23
206-44-0	Fluoranthene	ND		95.2	67.0	70	63.7	67	5	63-106/21
86-73-7	Fluorene	ND		95.2	75.1	79	70.4	74	6	62-108/20
118-74-1	Hexachlorobenzene	ND		95.2	73.2	77	70.5	74	4	63-108/22
87-68-3	Hexachlorobutadiene	ND		95.2	54.0	57	58.4	61	8	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		95.2	46.8	49	45.9	48	2	39-102/29
67-72-1	Hexachloroethane	ND		95.2	51.7	54	53.2	56	3	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		95.2	73.0	77	71.5	75	2	64-119/24
78-59-1	Isophorone	ND		95.2	59.6	63	60.7	64	2	43-87/25
90-12-0	1-Methylnaphthalene	ND		95.2	59.3	62	60.2	63	2	53-102/27
91-57-6	2-Methylnaphthalene	ND		95.2	61.3	64	61.5	65	0	51-102/26
88-74-4	2-Nitroaniline	ND		95.2	79.9	84	76.3	80	5	54-128/24
99-09-2	3-Nitroaniline	ND		95.2	71.0	75	66.9	70	6	56-106/27
100-01-6	4-Nitroaniline	ND		95.2	70.8	74	65.8	69	7	55-120/24
91-20-3	Naphthalene	ND		95.2	58.9	62	60.7	64	3	47-100/29
98-95-3	Nitrobenzene	ND		95.2	57.8	61	57.6	60	0	50-104/28
62-75-9	N-Nitrosodimethylamine	ND		95.2	51.0	54	49.9	52	2	28-78/30
621-64-7	N-Nitroso-di-n-propylamine	ND		95.2	63.1	66	59.5	62	6	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		95.2	68.8	72	65.6	69	5	64-108/23
85-01-8	Phenanthrene	ND		95.2	75.3	79	73.9	78	2	66-110/21
129-00-0	Pyrene	ND		95.2	79.0	83	71.8	75	10	64-113/23
110-86-1	Pyridine	ND		95.2	46.9	49	47.6	50	1	23-74/34
120-82-1	1,2,4-Trichlorobenzene	ND		95.2	53.7	56	53.9	57	0	45-97/28

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50557-MS	L0676991.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
OP50557-MSD	L0676992.D	1	02/24/14	NAF	02/21/14	OP50557	SL3407
FA12580-4	L0677022.D	1	02/25/14	NAF	02/21/14	OP50557	SL3408

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

FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-4	Limits
367-12-4	2-Fluorophenol	48%	45%	32%	14-67%
4165-62-2	Phenol-d5	40%	38%	22%	10-50%
118-79-6	2,4,6-Tribromophenol	83%	83%	79%	33-118%
4165-60-0	Nitrobenzene-d5	63%	63%	64%	42-108%
321-60-8	2-Fluorobiphenyl	67%	67%	72%	40-106%
1718-51-0	Terphenyl-d14	92%	84%	70%	39-121%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-MB	TT364570.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429

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

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	Result	RL	MDL	Units	Q
319-85-7	beta-BHC	ND	0.050	0.0050	ug/l	
319-86-8	delta-BHC	ND	0.050	0.0050	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	94%	42-127%
2051-24-3	Decachlorobiphenyl	103%	27-127%

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50541-MB	MM09923.D	1	02/20/14	MV	02/19/14	OP50541	GMM218

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

FA12580-1, FA12580-3, FA12580-6

CAS No.	Compound	Result	RL	MDL	Units	Q
11096-82-5	Aroclor 1260	ND	0.50	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	92%	38-127%
2051-24-3	Decachlorobiphenyl	104%	25-137%

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-BS	TT364569.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429

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

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
319-85-7	beta-BHC	0.5	0.60	120	66-132
319-86-8	delta-BHC	0.5	0.64	128	41-142

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	93%	42-127%
2051-24-3	Decachlorobiphenyl	99%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-BS	TT364608.D	1	02/21/14	EM	02/19/14	OP50540	GTT1430

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

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
319-85-7	beta-BHC	0.5	0.52	104	66-132
319-86-8	delta-BHC	0.5	0.53	106	41-142

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	102%	42-127%
2051-24-3	Decachlorobiphenyl	102%	27-127%

* = Outside of Control Limits.

Blank Spike Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50541-BS	MM09922.D	1	02/20/14	MV	02/19/14	OP50541	GMM218

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

FA12580-1, FA12580-3, FA12580-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
11096-82-5	Aroclor 1260	4	3.8	95	45-130

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	84%	38-127%
2051-24-3	Decachlorobiphenyl	97%	25-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50540-MS	TT364572.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429
OP50540-MSD	TT364573.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429
FA12566-1	TT364571.D	1	02/20/14	EM	02/19/14	OP50540	GTT1429

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

FA12580-3, FA12580-4, FA12580-7

CAS No.	Compound	FA12566-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
319-85-7	beta-BHC	0.048	U	0.962	1.1	114	1.1	114	0	66-132/23
319-86-8	delta-BHC	0.048	U	0.962	1.3	135	1.3	135	0	41-142/27

CAS No.	Surrogate Recoveries	MS	MSD	FA12566-1	Limits
877-09-8	Tetrachloro-m-xylene	85%	80%	74%	42-127%
2051-24-3	Decachlorobiphenyl	99%	96%	91%	27-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP50541-MS	MM09925.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
OP50541-MSD	MM09926.D	1	02/20/14	MV	02/19/14	OP50541	GMM218
FA12580-1	MM09924.D	1	02/20/14	MV	02/19/14	OP50541	GMM218

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

FA12580-1, FA12580-3, FA12580-6

CAS No.	Compound	FA12580-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
11096-82-5	Aroclor 1260	ND		7.55	7.6	101	7.9	105	4	45-130/24

CAS No.	Surrogate Recoveries	MS	MSD	FA12580-1	Limits
877-09-8	Tetrachloro-m-xylene	88%	91%	89%	38-127%
2051-24-3	Decachlorobiphenyl	90%	92%	67%	25-137%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.012	<0.50

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14 02/20/14

Metal	FA12580-1 Original	DUP	RPD	QC Limits	FA12580-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.28	0.27	3.6	0-20	0.28	3.2	3	97.3	80-120

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	FA12580-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.28	3.3	3	100.7	3.1	20

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.9	3	96.7	80-120

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26844
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/20/14

Metal	FA12580-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.284	0.00	100.0(a)	0-10

Associated samples MP26844: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	7.9	<200
Antimony	6.0	2	2.3	0.10	<6.0
Arsenic	10	2	2.4	-0.60	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5	0.0	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	3.7	<1000
Chromium	10	1	2	0.0	<10
Cobalt	50	.5	.5	-0.20	<50
Copper	25	1	1	-0.60	<25
Iron	300	17	17	2.1	<300
Lead	5.0	1.1	1.1	0.0	<5.0
Magnesium	5000	50	56	2.3	<5000
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5	0.0	<50
Nickel	40	.5	.5	-0.20	<40
Potassium	10000	200	200	-17	<10000
Selenium	10	2.3	2.3	1.6	<10
Silver	10	.65	.77	-0.40	<10
Sodium	10000	500	500	39.3	<10000
Strontium	10	.4	.4	-0.10	<10
Thallium	10	1.5	2	-1.0	<10
Tin	50	.7	1	-0.10	<50
Titanium	10	.9	1	-0.10	<10
Vanadium	50	.5	.5	-0.20	<50
Zinc	20	3	3	1.8	<20

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14 02/20/14

Metal	FA12569-1 Original	DUP	RPD	QC Limits	FA12569-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	59900	68100	12.8	0-20	59900	74200	27000	53.0N(b)	80-120
Antimony	0.0	0.0	NC	0-20	0.0	396	500	79.2N(b)	80-120
Arsenic	96.0	115	18.0	0-20	96.0	1930	2000	91.7	80-120
Barium	168	177	5.2	0-20	168	2100	2000	96.6	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	51.1	50	102.2	80-120
Cadmium	0.0	5.0	200.0(a)	0-20	0.0	50.8	50	101.6	80-120
Calcium	5680	5530	2.7	0-20	5680	30000	25000	97.3	80-120
Chromium	103	124	18.5	0-20	103	275	200	86.0	80-120
Cobalt	60.5	75.9	22.6 (a)	0-20	60.5	522	500	92.3	80-120
Copper	10.7	12.0	11.5	0-20	10.7	244	250	93.3	80-120
Iron	32700	39500	18.8	0-20	32700	48800	26000	61.9N(b)	80-120
Lead	24.4	30.4	21.9 (a)	0-20	24.4	512	500	97.5	80-120
Magnesium	2820	2740	2.9	0-20	2820	26700	25000	95.5	80-120
Manganese	13000	12500	3.9	0-20	13000	13000	500	0.0 (c)	80-120
Molybdenum	8.6	12.6	37.7 (a)	0-20	8.6	451	500	88.5	80-120
Nickel	86.7	106	20.0	0-20	86.7	556	500	93.9	80-120
Potassium	3400	3380	0.6	0-20	3400	27100	25000	94.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1830	2000	91.5	80-120
Silver	0.0	0.0	NC	0-20	0.0	39.7	50	79.4N(b)	80-120
Sodium	45700	43400	5.2	0-20	45700	67700	25000	88.0	80-120
Strontium	121	135	10.9	0-20	121	590	500	93.8	80-120
Thallium	0.0	0.0	NC	0-20	0.0	1970	2000	98.5	80-120
Tin	0.0	0.0	NC	0-20	0.0	377	500	75.4N(b)	80-120
Titanium	108	122	12.2	0-20	108	527	500	83.8	80-120
Vanadium	129	146	12.4	0-20	129	561	500	86.4	80-120
Zinc	141	178	23.2 (a)	0-20	141	594	500	90.6	80-120

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	FA12569-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	59900	98500	27000	143.0N(a	28.1 (b)	20
Antimony	0.0	343	500	68.6N(a)	14.3	20
Arsenic	96.0	1900	2000	90.2	1.6	20
Barium	168	2030	2000	93.1	3.4	20
Beryllium	0.0	49.9	50	99.8	2.4	20
Cadmium	0.0	50.7	50	101.4	0.2	20
Calcium	5680	28300	25000	90.5	5.8	20
Chromium	103	319	200	108.0	14.8	20
Cobalt	60.5	537	500	95.3	2.8	20
Copper	10.7	238	250	90.9	2.5	20
Iron	32700	64800	26000	123.5N(a	28.2 (c)	20
Lead	24.4	534	500	101.9	4.2	20
Magnesium	2820	25600	25000	91.1	4.2	20
Manganese	13000	12400	500	-120.0(d	4.7	20
Molybdenum	8.6	439	500	86.1	2.7	20
Nickel	86.7	577	500	98.1	3.7	20
Potassium	3400	26400	25000	92.0	2.6	20
Selenium	0.0	1760	2000	88.0	3.9	20
Silver	0.0	36.4	50	72.8N(a)	8.7	20
Sodium	45700	64100	25000	73.6N(a)	5.5	20
Strontium	121	618	500	99.4	4.6	20
Thallium	0.0	1970	2000	98.5	0.0	20
Tin	0.0	353	500	70.6N(a)	6.6	20
Titanium	108	631	500	104.6	18.0	20
Vanadium	129	594	500	93.0	5.7	20
Zinc	141	640	500	99.8	7.5	20

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.
(b) High RPD indicates possible matrix interference.
(c) High RPD due to possible sample non-homogeneity.
(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	27600	27000	102.2	80-120
Antimony	515	500	103.0	80-120
Arsenic	2010	2000	100.5	80-120
Barium	2130	2000	106.5	80-120
Beryllium	50.8	50	101.6	80-120
Cadmium	52.6	50	105.2	80-120
Calcium	26100	25000	104.4	80-120
Chromium	214	200	107.0	80-120
Cobalt	530	500	106.0	80-120
Copper	258	250	103.2	80-120
Iron	26200	26000	100.8	80-120
Lead	509	500	101.8	80-120
Magnesium	24700	25000	98.8	80-120
Manganese	518	500	103.6	80-120
Molybdenum	501	500	100.2	80-120
Nickel	529	500	105.8	80-120
Potassium	25000	25000	100.0	80-120
Selenium	2020	2000	101.0	80-120
Silver	47.4	50	94.8	80-120
Sodium	25400	25000	101.6	80-120
Strontium	498	500	99.6	80-120
Thallium	2040	2000	102.0	80-120
Tin	540	500	108.0	80-120
Titanium	517	500	103.4	80-120
Vanadium	511	500	102.2	80-120
Zinc	528	500	105.6	80-120

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	FA12569-1 Original	SDL 10:50%	DIF	QC Limits
Aluminum	59900	70400	17.4*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	96.0	0.00	100.0(b)	0-10
Barium	168	187	11.7 (b)	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	5680	7860	38.2 (b)	0-10
Chromium	103	124	20.9 (b)	0-10
Cobalt	60.5	55.8	7.8	0-10
Copper	10.7	0.00	100.0(b)	0-10
Iron	32700	34300	4.8	0-10
Lead	24.4	0.00	100.0(b)	0-10
Magnesium	2820	3520	25.0 (b)	0-10
Manganese	13000	13300	2.3	0-10
Molybdenum	8.60	0.00	100.0(b)	0-10
Nickel	86.7	92.1	6.2	0-10
Potassium	3400	0.00	100.0(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	45700	43000	5.9	0-10
Strontium	121	133	9.7	0-10
Thallium	0.00	0.00	NC	0-10
Tin	0.00	0.00	NC	0-10
Titanium	108	403	272.7(b)	0-10
Vanadium	129	135	5.3	0-10
Zinc	141	154	9.5	0-10

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA12580
Account: ISIEKSW - ISI Environmental Services
Project: Clean Harbors; Wichita, KS

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/20/14

Metal	Sample ml	Final ml	FA12569-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	59940	58741.2	70010	0.2	125	2500	450.8*(a	80-120
Antimony	9.8	10			105.8	0.2	5	100	105.8	80-120
Arsenic	9.8	10	96	94.08	197.3	0.2	5	100	103.2	80-120
Barium	9.8	10	167.5	164.15	440.2	0.2	12.5	250	110.4	80-120
Beryllium	9.8	10			57.2	0.2	2.5	50	114.4	80-120
Cadmium	9.8	10			57.3	0.2	2.5	50	114.6	80-120
Calcium	9.8	10	5684	5570.32	10760	0.2	250	5000	103.8	80-120
Chromium	9.8	10	102.6	100.548	166.1	0.2	2.5	50	131.1*(a	80-120
Cobalt	9.8	10	60.5	59.29	110.6	0.2	2.5	50	102.6	80-120
Copper	9.8	10	10.7	10.486	115.1	0.2	5	100	104.6	80-120
Iron	9.8	10	32710	32055.8	36760	0.2	150	3000	156.8*(a	80-120
Lead	9.8	10	24.4	23.912	84.4	0.2	2.5	50	121.0*(a	80-120
Magnesium	9.8	10	2816	2759.68	8243	0.2	250	5000	109.7	80-120
Manganese	9.8	10	13030	12769.4	12650	0.2	2.5	50	-238.8*a	80-120
Molybdenum	9.8	10	8.6	8.428	113.5	0.2	5	100	105.1	80-120
Nickel	9.8	10	86.7	84.966	192.9	0.2	5	100	107.9	80-120
Potassium	9.8	10	3399	3331.02	14360	0.2	500	10000	110.3	80-120
Selenium	9.8	10			103.8	0.2	5	100	103.8	80-120
Silver	9.8	10			46.7	0.2	2.5	50	93.4	80-120
Sodium	9.8	10	45710	44795.8	55200	0.2	500	10000	104.0	80-120
Strontium	9.8	10	121.2	118.776	183.6	0.2	2.5	50	129.6*(a	80-120
Thallium	9.8	10			110.3	0.2	5	100	110.3	80-120
Tin	9.8	10			47.5	0.2	2.5	50	95.0	80-120
Titanium	9.8	10	108.1	105.938	524.8	0.2	5	100	418.9*(a	80-120
Vanadium	9.8	10	128.5	125.93	185.8	0.2	2.5	50	119.7	80-120
Zinc	9.8	10	140.6	137.788	407.9	0.2	12.5	250	108.0	80-120

Associated samples MP26846: FA12580-1, FA12580-3, FA12580-4, FA12580-5, FA12580-6, FA12580-7, FA12580-8

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