Southeast ACCUTEST LABORATORIES

02/10/14

Technical Report for

ISI Environmental Services

Clean Harbors; KS

Accutest Job Number: FA12080

Sampling Date: 01/28/14

Report to:

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

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Accutest Laboratories

Sample Summary

ISI Environmental Services

Clean Harbors; KS

Job No: FA12080

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

Summary of Hits

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

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

Summary of Hits

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

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

Summary of Hits

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

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

Summary of Hits

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

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

Summary of Hits

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

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

Summary of Hits

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

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

Summary of Hits

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

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

Summary of Hits

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

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		24.1	5.0		ug/l	SW846 7470A
Potassium		40000	10000		ug/l	SW846 6010C
Sodium		136000	40000		ug/l	SW846 6010C
Strontium		610	10		ug/l	SW846 6010C
Titanium		148	10		ug/l	SW846 6010C
Zinc		1920	20		ug/l	SW846 6010C
FA12080-8	**TAP WATER**					
Bromodichloromethane		8.6	1.0	0.26	ug/l	SW846 8260B
Bromoform		2.1	1.0	0.38	ug/l	SW846 8260B
Chloroform		6.7	1.0	0.31	ug/l	SW846 8260B
Dibromochloromethane		9.3	1.0	0.36	ug/l	SW846 8260B
Calcium		27200	1000		ug/l	SW846 6010C
Copper		57.1	25		ug/l	SW846 6010C
Magnesium		14500	5000		ug/l	SW846 6010C
Sodium		87700	20000		ug/l	SW846 6010C
Strontium		203	10		ug/l	SW846 6010C

FA12080-9 **TRIP BLANK**

No hits reported in this sample.

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

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

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

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

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

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

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

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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

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

Report of Analysis

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

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

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

Pesticide TCL List

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

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

(a) Dilution required due to matrix interference.

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

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

Report of Analysis

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

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

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

PCB List

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

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

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

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

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

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

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

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

ABN Full List

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

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

Report of Analysis

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

(a) Result is from Run# 2

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

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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

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

Report of Analysis

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

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

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

Pesticide TCL List

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

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

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

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

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

Report of Analysis

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

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

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

PCB List

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

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

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

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

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

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

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

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

(a) Result is from Run# 2

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

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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

Report of Analysis

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

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

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

Pesticide TCL List

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

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

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

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

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

Report of Analysis

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

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

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

PCB List

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

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

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

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

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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Report of Analysis

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

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

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

ABN Full List

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

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Report of Analysis

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

ABN Full List

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

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

Report of Analysis

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

ABN Full List

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

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

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E = Indicates value exceeds calibration range

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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Report of Analysis

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

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

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

Pesticide TCL List

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

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

(a) Dilution required due to matrix interference.

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N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

PCB List

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

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

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Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

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

VOA 8260 List

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

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E = Indicates value exceeds calibration range

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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E = Indicates value exceeds calibration range

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

Report of Analysis

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

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

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

ABN Full List

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

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

Report of Analysis

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

ABN Full List

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

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

Report of Analysis

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

ABN Full List

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

(a) Result is from Run# 2

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

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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

Report of Analysis

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

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

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

Pesticide TCL List

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

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

(a) Dilution required due to matrix interference.

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

Report of Analysis

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

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

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

PCB List

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

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

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

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

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

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

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

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

(a) Result is from Run# 2

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

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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

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

Report of Analysis

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

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

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

Pesticide TCL List

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

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

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

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

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

Report of Analysis

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

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

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

PCB List

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

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

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

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

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

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

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

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

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

ABN Full List

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

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

(a) Result is from Run# 2

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

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

Report of Analysis

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

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

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

Herbicide List

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

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

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

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

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

Report of Analysis

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

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

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

Pesticide TCL List

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

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

(a) Dilution required due to matrix interference.

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

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

Report of Analysis

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

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

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

PCB List

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

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

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

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

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

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Report of Analysis

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

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

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

ABN Full List

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

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

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

Report of Analysis

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

ABN Full List

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

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

Report of Analysis

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

ABN Full List

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

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

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E = Indicates value exceeds calibration range

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

Report of Analysis

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

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

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

Herbicide List

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

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

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TAP WATER		
Lab Sample ID:	FA12080-8	**Date Sampled:**	01/28/14
Matrix:	AQ - Water	**Date Received:**	01/30/14
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Clean Harbors; KS		

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

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

Pesticide TCL List

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

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

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N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

PCB List

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

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

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

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

Total Metals Analysis

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

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

RL = Reporting Limit

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA 8260 List

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

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

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

Report of Analysis

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

VOA 8260 List

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

(a) Associated BS recovery outside control limits.

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

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA12080

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

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

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	MeOH	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins/Furans
1	Bld B Rm 6	01-28-14	1215	BG	WW	10		X	X		X					X	X	X	X	X	
2	Bld B Rm 7	01-28-14	1335	BG	WW	10		X	X		X					X	X	X	X	X	
3	Bld B Rm 4	01-28-14	1410	BG	WW	10		X	X		X					X	X	X	X	X	
4	Bld B Rm 5	01-28-14	1430	BG	WW	10		X	X		X					X	X	X	X	X	
5	Bld B Rm 3	01-28-14	1515	BG	WW	10		X	X		X					X	X	X	X	X	
6	Bld B Rm 2	01-28-14	1600	BG	WW	10		X	X		X					X	X	X	X	X	
7	Bld B Rm 1	01-28-14	1620	BG	WW	10		X	X		X					X	X	X	X	X	
8	Tap Water	01-28-14	1645	BG	WW	10		X	X		X					X	X	X	X	X	
	Bld B Rms 4-7	01-28-14	1700	BG	WW	2		X													X
	Bld B Rms 1-3	01-28-14	1710	BG	WW	2		X													X
9	Trip Blank	01-28-14				3										X					

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 / S. S.	01/29/14 0900	2 FP	3 FP 01-30-14	915	4 [illegible]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 20.6, 22.22, 24.4 2[illegible] 1.8, 2.0

4.1 4

FA12080: Chain of Custody
Page 1 of 7

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

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

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

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8047 3475 6875 / 6831 / 6810 / 6820 / 6794 / 6886 / 6842 / 6864 / 6803

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

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

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

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

TECHNICIAN SIGNATURE/DATE R Will 01 30 14 REVIEWER SIGNATURE/DATE lc 1-30-14

NF 12/10

receipt confirmation 122910.xls

4.1

4

FA12080: Chain of Custody

Page 2 of 7

01000 FedEx Express Package US Airbill 8047 3475 6875

1 From
Date 1-29-14
Sender's Name Brady Gerber Phone 316 764-7[illegible]
Company G.S. Environmental
Address 214 S La[illegible] Dept./Floor/Suite/Room
City [illegible] ZIP 67211

2 Your Internal Billing Reference

3 To
Recipient's Name SUPPLY RECV Phone 407 425-6700
Company ACCUTEST LABORATORIES SE INC
Address 4405 VINELAND RD [illegible] Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
Use this line for the HOLD location address or for continuation of your shipping address.
City ORLANDO State FL ZIP 32811-5805

HOLD Weekday
HOLD Saturday

0112315626

8047 3475 6875

fedex.com 1.800.GoFedEx 1.800.463.3339

Recipient's Copy

4 Express Package Service
NOTE: Service order has changed. Please select carefully.
Packages up to 150 lbs.

Next Business Day
- FedEx First Overnight
- [X] FedEx Priority Overnight
- FedEx Standard Overnight

2 or 3 Business Days
- FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging
- FedEx Envelope
- FedEx Pak
- FedEx Tube
- [X] Other

6 Special Handling and Delivery Signature Options
- SATURDAY Delivery
- [X] No Signature Required
- Direct Signature
- Indirect Signature
- [X] No
- Yes
- Dry Ice
- Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
Obtain recip. Acct. No.
- Sender Acct. No. in Section 1 will be billed.
- [X] Recipient
- Third Party
- Credit Card
- Cash/Check

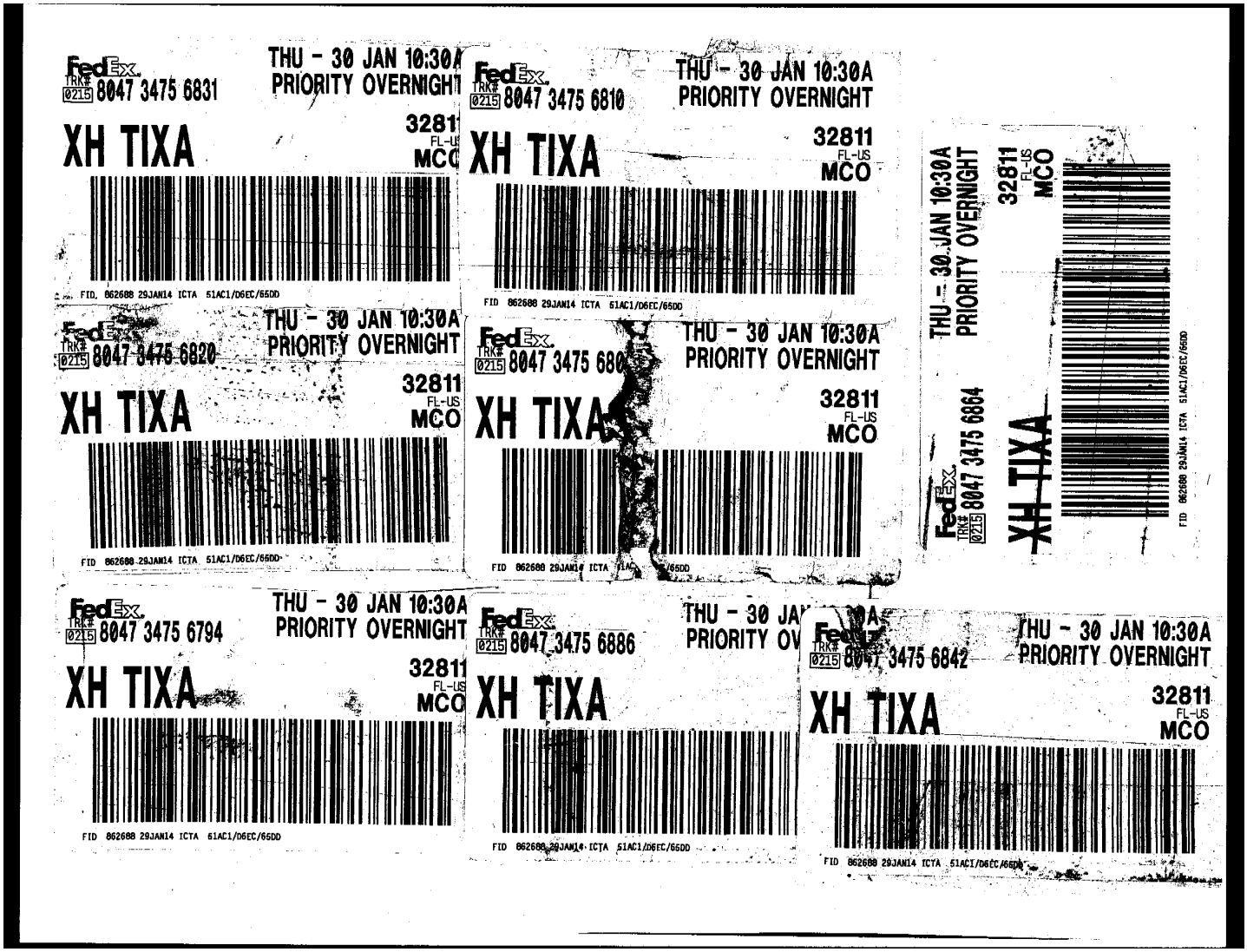
Total Packages 1 Total Weight 30 lb.
Credit Card Auth.

Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 2/12 • Part #983126-5201994-2012 FedEx • PRINTED IN U.S.A. SRS

0:30A
WIGHT
?811
FL-US
?0

FA12080: Chain of Custody
Page 3 of 7



FA12080: Chain of Custody

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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA12080

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

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

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	NaSO4	NaOH-ZNAC	DI WATER	MEOH	VOC's	SVOC's	Pest	Metals + Hg	Herbicides	Dioxins/Furans						Matrix Codes
1	Bld B Rm 6	01-28-14	1215	BG	WW	10		X	X		X					X	X	X	X	X							
2	Bld B Rm 7	01/28/14	1335	BG	WW	10		X	X		X					X	X	X	X	X							
3	Bld B Rm 4	01/28/14	1410	BG	WW	10		X	X		X					X	X	X	X	X							
4	Bld B Rm 5	01/28/14	1430	BG	WW	10		X	X		X					X	X	X	X	X							
5	Bld B Rm 3	01/28/14	1515	BG	WW	10		X	X		X					X	X	X	X	X							
6	Bld B Rm 2	01/28/14	1600	BG	WW	10		X	X		X					X	X	X	X	X							
7	Bld B Rm 1	01/28/14	1620	BG	WW	10		X	X		X					X	X	X	X	X							
8	Tap Water	01/28/14	1645	BG	WW	10		X	X		X					X	X	X	X	X							
10	Bld B Rms 4-7	01/28/14	1700	BG	WW	2		X													X						
11	Bld B Rms 1-3	01/28/14	1710	BG	WW	2		X													X						
9	Trip Blank	01/28/14				3										X											

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

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☒ 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 / iS	01/29/14 0900	FP	3 FP 01-30-14	915	4 [illegible]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 20.8, 22, 22, 24, 24, 20, 1.8, 20

4.1 4

FA12080: Chain of Custody
Page 5 of 7

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

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

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

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

AIRBILL NUMBERS: 8047 3475 6853

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 28
- [ ] CORRECTED TEMPS: 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)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

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

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

NF 12/10

receipt confirmation 122910.xls

4.1

4

FA12080: Chain of Custody

Page 6 of 7

Package
US Airbill

FedEx Tracking Number 8047 3475 6853

[redacted]

Sender's Name Brady Gerber Phone 316 264 7050

Company TSI Environmental

Address 214 S. Lawrence

Dept./Floor/Suite/Room

City Wichita State KS ZIP 67211

Your Internal Billing Reference

To Recipient's Name SUPPLY RECV Phone 425-6700

Company ACCUTEST LABORATORIES SE

Address 4405 VINELAND RD STE C15

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City ORLANDO State FL ZIP 32811-5803

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0112015626

8047 3475 6853

Recipient's Copy

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a nearby address may sign for delivery. Fee applies. Not available for residential deliveries or to PO Box addresses.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recipient Acct. No.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted]

Total Packages Total Weight 30 lbs. Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 2/12 • Part #163134 • ©1994–2012 FedEx • PRINTED IN U.S.A.

611

30A
SHT
811
1-US
CO

FA12080: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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

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

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

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

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

Method Blank Summary

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

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

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

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

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

Method Blank Summary

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

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

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

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

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

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

(a) No TICs detected.

Blank Spike Summary

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

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

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

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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

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

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

FA12080-1

CAS No.	Compound	Result	RL	MDL	Units	Q

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

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

(a) No TICs detected.

Method Blank Summary

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

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

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

FA12080-1

CAS No.	Compound	Result	RL	MDL	Units	Q

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

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

(a) No TICs detected.

Method Blank Summary

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

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

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

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

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

Method Blank Summary

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

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

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

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

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

Method Blank Summary

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

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

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

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

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

Blank Spike Summary

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

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

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

FA12080-1

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

FA12080-1

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

FA12080-1

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

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

(a) Reported for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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

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

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

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

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

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

Method Blank Summary

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

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

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

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

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

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

Method Blank Summary

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

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

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

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

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

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

Blank Spike Summary

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

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

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

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

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

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

* = Outside of Control Limits.

Blank Spike Summary

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

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

7.3.2

7

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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

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

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

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

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

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

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

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

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

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

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

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

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

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14 02/03/14

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

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

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

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

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

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

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

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

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

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

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

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

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

SERIAL DILUTION RESULTS SUMMARY

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

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

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

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

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

POST DIGESTATE SPIKE SUMMARY

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

QC Batch ID: MP26762
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/03/14

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

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

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

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

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

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

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

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

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

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

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

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

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

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

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

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

Prep Date: 02/07/14

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

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

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

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

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

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

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

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

SERIAL DILUTION RESULTS SUMMARY

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

QC Batch ID: MP26787
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 02/07/14

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

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

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