UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

JAN 3 1 2012

40368780
Superfund

Mr. John Martens
Director of Water Operations
15 West 3rd Street
Atlantic, Iowa 50022-1055

Re: Atlantic Water Supply Site, Atlantic, Iowa
EPA ID #IAD039954300
ASR No. 5613

Dear Mr. Martens:

Enclosed are copies of the Sample Collection Field Sheets and Results of Sample Analysis reports for the environmental samples collected from city municipal wells and monitoring wells in December 2011 by a contractor for the U.S. Environmental Protection Agency. This sampling activity was being conducted in regard to the investigation on the Atlantic Water Supply Site.

Sample numbers 5613-1 to 5613-10 are groundwater water samples taken from Atlantic Municipal Utilities (AMU) wells 6, 7, 10, 11, 12, 13, 14, 15, 16 and 17. Sample numbers 101, 102,103 and 103FD are groundwater samples taken from Monitoring Wells 1, 2 and 3.

The analytical results show that the concentration of tetrachloroethene in city well AMU-7 is above the Safe Drinking Water Act's Maximum Contaminant Level (MCL). However, this well is not being used for drinking water. Only one other city well (AMU-6) had a concentration of tetrachloroethene above the detection limit; however, this concentration was below the MCL for tetrachloroethene.

The analytical results show that the concentration of tetrachloroethene in Monitoring Well 2 is above the MCL. The other two monitoring wells for tetrachloroethene were below the detection limit.

At this time, the EPA contractor is preparing a report of our investigation. We recommend that the city continue to operate city well AMU-7 as a means to provide protection to the city municipal wells. We will be discussing our investigation and data results with the Iowa Department of Natural Resources (IDNR). Both the EPA and IDNR will be contacting the city in the immediate future regarding our investigations and any recommendations/assistance for resolving this groundwater contamination.

This information is forwarded to you in accordance with the provisions of section 3007(a) of the Resource Conservation and Recovery Act of 1976, as amended; and section 104(e)(4)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended. This letter is intended to transmit the data received from the laboratory and not to provide a full or detailed analysis of the data.

RECYCLE

Thank you for your cooperation with this investigation. If you have questions, please contact the EPA Site Manager, Ron King at 913-551-7568.

Sincerely,

Kenneth S. Buchholz, Chief
Emergency Response and Removal North Branch

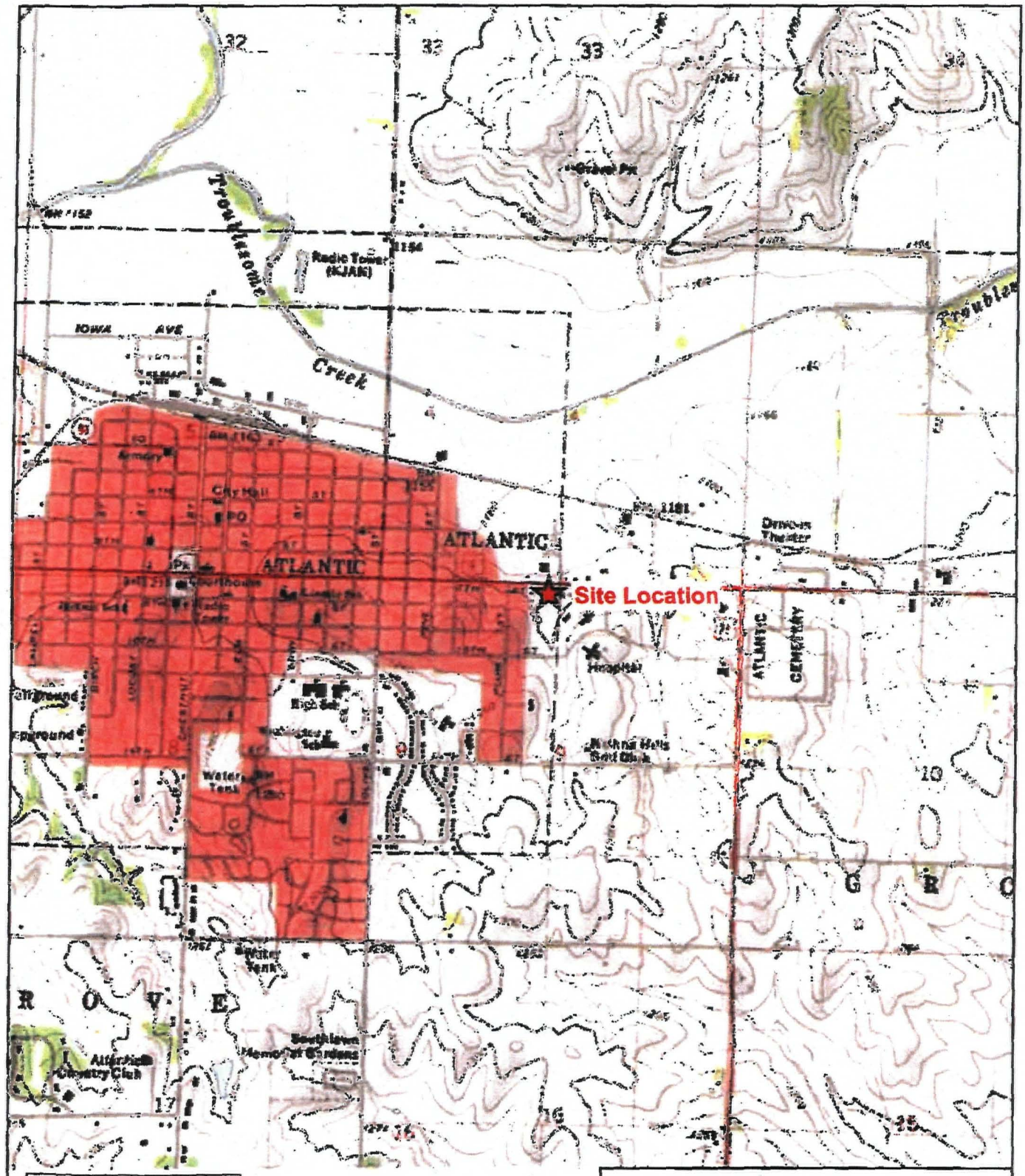
Enclosures

cc: Cal Lundberg, IDNR – w/enclosures
Stuart Schmitz, IDPH – w/enclosures

ASR Number: 5613 **Sample Information Summary** **01/09/2012**

Project ID: RKA72Q00 **Project Desc:** Atlantic Water Supply - Site Reassessment sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1	__	Water	MGW-01 (AMU-7)		12/13/2011	09:41			12/15/2011
1	FD	Water	MGW-01 (AMU-7)/Field Duplicate of sample 1		12/13/2011	09:41			12/15/2011
2	__	Water	MGW-02 (AMU-16)		12/13/2011	10:24			12/15/2011
3	__	Water	MGW-03 (AMU-13)		12/13/2011	10:51			12/15/2011
4	__	Water	MGW-04 (AMU-11)		12/13/2011	11:06			12/15/2011
5	__	Water	MGW-05 (AMU-10)		12/13/2011	11:21			12/15/2011
6	__	Water	MGW-06 (AMU-17)		12/13/2011	11:44			12/15/2011
7	__	Water	MGW-07 (AMU-12)		12/13/2011	12:09			12/15/2011
8	__	Water	MGW-08 (AMU-15)		12/13/2011	12:26			12/15/2011
9	__	Water	MGW-09 (AMU-14)		12/13/2011	12:42			12/15/2011
10	__	Water	MGW-10 (AMU-6)		12/13/2011	12:52			12/15/2011
11	FB	Water	MGW-DW VOA Trip Blank sample		12/07/2011	06:43			12/15/2011
12	FB	Water	DW VOA Field Blank sample		12/13/2011	12:56			12/15/2011
101	__	Water	GW-01 (MW-1)		12/12/2011	15:45			12/15/2011
102	__	Water	GW-02 (MW-3)		12/13/2011	15:40			12/15/2011
103	__	Water	GW-03 (MW-2)		12/14/2011	12:59			12/15/2011
103	FD	Water	GW-03 (MW-2)/Field Duplicate of sample 103		12/14/2011	12:59			12/15/2011
105	FB	Water	LDL VOA Trip Blank sample		12/07/2011	06:46			12/15/2011
107	FB	Water	LDL VOA Field Blank sample		12/14/2011	13:30			12/15/2011

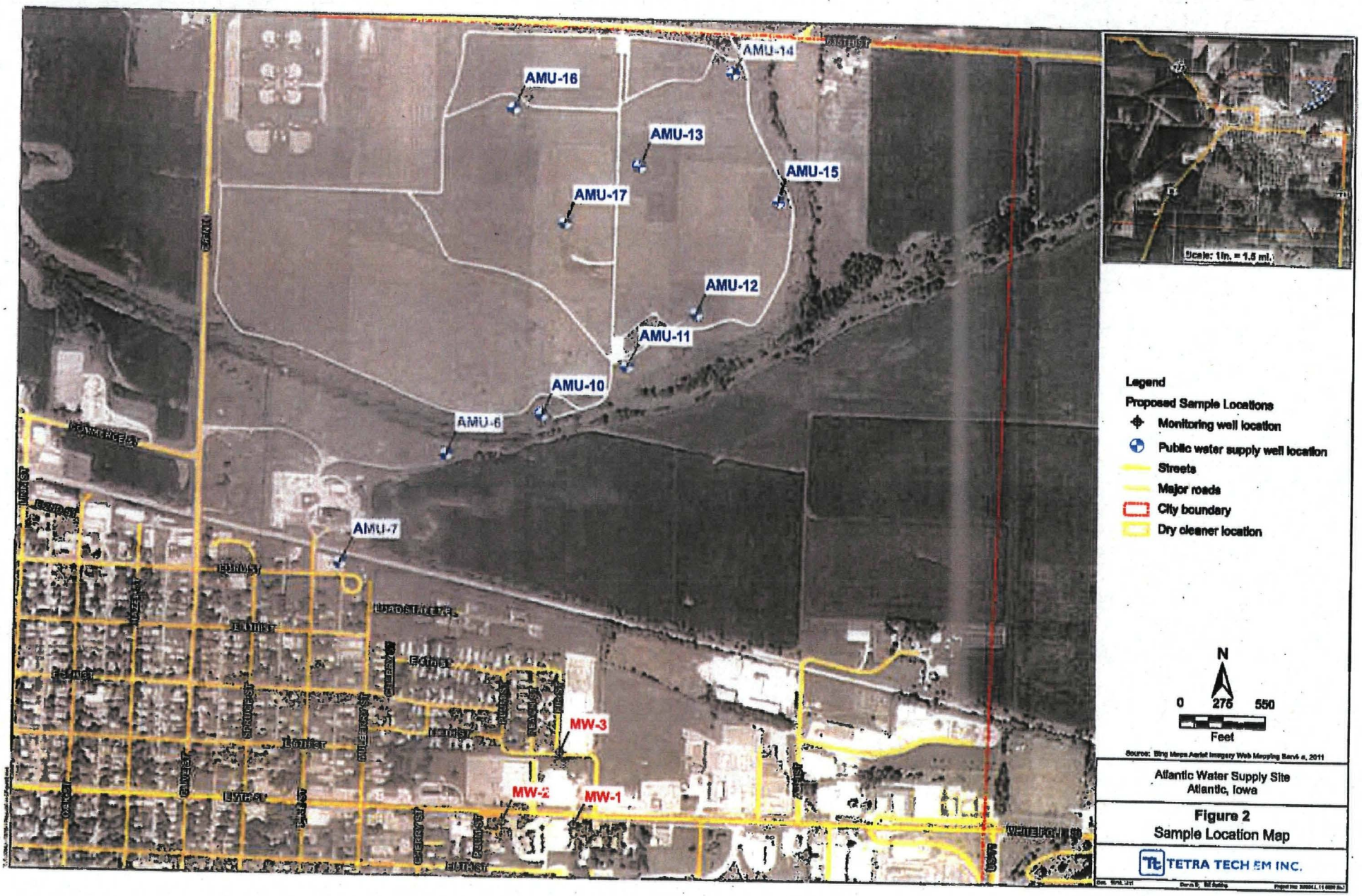


Source: USGS Atlantic, Iowa 7.5 Minute Topo Quad, 1991
USGS Wiota, Iowa 7.5 Minute Topo Quad, 1971

Atlantic Water Supply Site
Atlantic, Iowa

Figure 1
Site Location Map

TETRA TECH EM INC.



Atlantic Water Supply Site
Atlantic, Iowa

Figure 2
Sample Location Map

TETRA TECH EM INC.

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 1 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-1-~~50~~ 7

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW Ø1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.4481 **Sample Collection: Start:** 12/13/11 9:41
Longitude: -094.4881 **End:** __/__/__ __:__

Laboratory Analyses:

	Container	Preservative	Holding Time	Analysis
3	40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: (N/A)

MUNICIPAL WELL # AMW-7
NOTE: FIELD DUPLICATE COLLECTED

WATER QUALITY & PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
0920	12.81°C	7.27	609 µS/cm
0925	12.17	6.36	596
0930	12.13	6.11	596
0934	12.09	5.97	594
0938	11.95	5.94	592
0941	12.07	6.01	593

CONTACT INFO:

JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** ~~11~~ 1 **QC Code:** FD **Matrix:** Water **Tag ID:** 5613-~~11~~ 12-~~08~~ -1-FD

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW01-FD

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.49811 **Sample Collection: Start:** 12/13/11 9:41
Longitude: -094.96871 **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: (N/A)

MUNICIPAL WELL # AMW-7

NOTE: THIS IS A FIELD DUPLICATE SAMPLE OF MGW01.

WATER QUALITY & PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
0920	12.81°C	7.27	609 µS/cm
0925	12.17	6.36	596
0930	12.13	6.11	596
0934	12.09	5.97	594
0938	11.95	5.94	592
0941	12.07	6.01	593

CONTACT INFO:

JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 2 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-2-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW02

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.41625 **Sample Collection: Start:** 12/13/11 10:24
Longitude: -094.49625 **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL # AMW-16
(N/A)
WATER QUALITY + PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1014	10.46°C	6.13	285 µS/cm
1019	10.93	6.39	293
1020	11.00	6.50	293
1024	10.99	6.46	294

CONTACT INFO: JOHN MAATENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 N. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1595

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 3 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-3-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW Ø3

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.415833 **Sample Collection: Start:** 12/13/11 10:51
Longitude: -044.99800 **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL # AMW-13
(N/A)

WATER QUALITY 4
PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1043	10.70°C	6.35	276 µs/cm
1046	10.76	6.40	282
1049	10.86	6.40	283
1051	10.87	6.41	283

CONTACT INFO: JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 4 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-4-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW Ø4

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.41158° **Sample Collection: Start:** 12/13/11 11:06
Longitude: -094.99813 **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL #3 AMW-11
(N/A)

WATER QUALITY #

PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1059	10.76°C	6.37	570 µS/cm
1101	10.76	6.40	574
1106	10.78	6.42	578

CONTACT INFO: JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 5 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-5-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW05

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: 41.41060	**Sample Collection: Start:**	12/13/11	11:21
Longitude: -094.99516	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL # AMW-10
(N/A)

WATER QUALITY & PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1113	11.80°C	6.60	383 µS/cm
1116	11.65	6.69	399 µS/cm
1121	11.68	6.61	393

CONTACT INFO: JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022

Sample Collected By: DZ/TT-START 712-243-1395

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 6 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-6-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW 06

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.41866 **Sample Collection: Start:** 12/15/11 11:44
Longitude: -094.99455 **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL # AMW-17
(N/A) NOTE: TRIPLE VOLUME COLLECTED. FOR MS/MSD

WATER QUALITY

PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1134	11.03°C	6.69	336 µS/cm
1138	11.09	6.58	337
1144	11.13	6.54	337

CONTACT INFO: JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC, MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022

Sample Collected By: DZ/TT-START 712-243-1395

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 7 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-7-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW07

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.41278° **Sample Collection: Start:** 12/13/11 12:09
Longitude: -094.99156° **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPLS WELL # AMW - 12
(N/A)

WATER QUALITY &
PURGING DETAILS :

TIME	TEMP	pH	CONDUCTIVITY
1159	10.90°C	6.56	378 µS/cm
1202	11.01	6.51	381
1209	11.05	6.51	382

CONTACT INFO: JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 8 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-8-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW 8

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: 41.41457°	**Sample Collection: Start:**	12/13/11	12:26
Longitude: -094.98996°	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL # AMW-15
(N/A)

WATER QUALITY #
PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1220	10.85°C	6.46	290 µS/cm
1224	11.00	6.47	288
1226	11.01	6.51	288

CONTACT INFO:
JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 9 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-9-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW ϕ 9

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.41706° **Sample Collection: Start:** 12/13/11 12:42
Longitude: -094.99096° **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments:
(N/A)

MUNICIPAL WELL # AMW-14

WATER QUALITY #

PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1235	10.97°C	6.86	279 µS/cm
1238	11.03	6.84	279
1242	11.07	6.88	279

CONTACT INFO:

JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 10 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-10-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA sample

External Sample Number: MGW 1ϕ

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.41006° **Sample Collection: Start:** 12/13/11 12:52
Longitude: -094.99464° **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments: MUNICIPAL WELL # AMW-6.
(N/A)

WATER QUALITY & PURGING DETAILS:

TIME	TEMP	pH	CONDUCTIVITY
1245	11.36°C	6.62	391 µS/cm
1248	11.40	6.51	400
1252	11.47	6.48	398

CONTACT INFO:

JOHN MARTENS
DIRECTOR OF WATER OPERATIONS
ATLANTIC MUNICIPAL UTILITIES
15 W. 3RD ST. BOX 517
ATLANTIC, IA 50022
712-243-1395

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** ~~12~~ 11 **QC Code:** FB **Matrix:** Water **Tag ID:** 5613-~~12~~ 11 DW-FB

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA ~~sample~~ DW TRIP BLANK SAMPLE

External Sample Number: MGW-TB

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: N/A	**Sample Collection: Start:**	~~12/14/10~~ DW 12/8/11	~~14:00~~ DW 06:45
Longitude: N/A	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments:

(N/A) NOTE: TRIP BLANK SAMPLE

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** ~~13~~ 12 **QC Code:** FB **Matrix:** Water **Tag ID:** 5613-~~13~~ 12-FB

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: DW VOA ~~Trip~~ Field Blank sample

External Sample Number: MGW-FB

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: N/A	**Sample Collection: Start:**	12/13/11	12:56
Longitude: N/A	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Drinking Water by GC/MS

Sample Comments:

(N/A) NOTE: FIELD BLANK SAMPLE.

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** ~~106~~ 101 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-10~~6~~1

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: LDL VOA sample

External Sample Number: GW01

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.40840° **Sample Collection: Start:** 12/12/11 15:45
Longitude: -094.99452 **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments: MONITORING WELL # MW-1
ALL MEASUREMENTS TAKEN FROM THE TOP OF THE WELL CASING.
(N/A) NOTE: MONITORING WELL LOCATION IS IN THE NE CORNER OF THE BURGER KING PARKING LOT.

PID = ND DEPTH TO WATER = 31.50' TOTAL WELL DEPTH = 44.56'
VOLUME = ~~25.56 GAL~~ 2.13 GAL NOTE: WATER WAS VERY TURBID.

WATER QUALITY & PURGING DETAILS:

TIME	GALLONS PURGED	TEMP	pH	CONDUCTIVITY	TAG ID	SAMPLE ID
1435	2.5 GAL	12.78°C	7.05	562 µS/cm		
1445	7.5	12.39	6.66	521		
1456	12.5	12.68	6.58	588		
1505	17.5	12.31	6.61	533		
1520	22.5	12.53	6.77	530		
1536	25.0	12.41	6.69	528	5613-101	GW01

Sample Collected By: DZ/TT-START

NOTE: 1 - 40mL VOA VIAL BROKE DURING TRANSIT.

CONTACT INFO: BURGER KING 1309 E. 7TH ST. ATLANTIC, IA 50022
712-243-1954

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 102 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-102-__

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: LDL VOA sample

External Sample Number: GW ϕ2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.40496° **Sample Collection: Start:** 12/13/11 15:40
Longitude: -094.99445° **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
12 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:
(N/A)
PID = ND
DEPTH TO WATER = 25.47'
WELL DEPTH = 38.96'
VOLUME = ~~10.40 GAL~~ ~2.52GAL

NOTE: ALL MEASUREMENTS TAKEN FROM THE TOP OF THE WELL CASING. MONITORING WELL LOCATION IS IN SW CORNER OF THE SELF STORAGE COMPLEX ON THE TRAILER PARK PROPERTY. TRIPLE VOLUME COLLECTED FOR MS/MSD

MONITORING WELL # MW-3
NOTE: WATER WAS VERY TURBID.

WATER QUALITY & PURGING DETAILS:

TIME	GALLONS PURGED	TEMP	pH	CONDUCTIVITY	TAG ID	SAMPLE ID
1350	2.5 GAL	13.65°C	6.60	599 µS/cm		
1410	7.5	13.61	6.83	590		
1430	12.5	13.10	6.54	584		
1446	17.5	13.43	6.44	596		
1503	22.5	13.09	6.44	581		
1518	27.5	13.09	6.41	575		
1540	31.0	13.12	6.41	593	5613-102	GW ϕ2

Sample Collected By: DZ/TT-START

CONTACT INFO: JIM REISCHL
PO BOX 60 DUNLAP, IA 51529
712-243-5211

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 103 **QC Code:** __ **Matrix:** Water **Tag ID:** 5613-103-~~50~~ DW

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: LDL VOA sample

External Sample Number: GW03

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.40375° **Sample Collection: Start:** 12/14/11 12:59
Longitude: -094.99576° **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A) NOTE: MONITORING WELL LOCATION IS IN THE NORTHERN HALF OF THE UNITED METHODIST CHURCH OFFICE PARKING LOT. FIELD DUPLICATE COLLECTED @ THIS LOCATION.

MONITORING WELL # MW-2

PID = 49.9 ppm DEPTH TO WATER = 54.98' WELL DEPTH = 48.75'

VOLUME = 2.244 GAL NOTE: WATER IS VERY TURBID. & WOULD NOT CLEAR UP.

WATER QUALITY & PURGING DETAILS:

TIME	GALLONS PURGED	TEMP	pH	CONDUCTIVITY	TAG ID	SAMPLE ID
1100	2.5 GAL.	13.01°C	7.14	558 µS/cm		
1126	7.5	19.26	5.67	630		
1200	12.5	13.16	6.16	649		
1226	17.5	13.97	6.09	628		
1244	22.5	13.13	6.13	641		
1259	25.0	13.20	6.11	638	5613-103	GW03

Sample Collected By: DZ/TT-START

CONTACT INFO: CHARLES EDWARDS - ROLLING HILLS BANK & TRUST
1307 E. 7TH ST. ATLANTIC, IA 50022
712-243-2244

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

5613 ~~-105~~ -103-FD

ASR Number: 5613 **Sample Number:** 10~~4~~ 3 **QC Code:** FD **Matrix:** Water **Tag ID:** 5613-10~~4~~3-FD

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: LDL VOA sample

External Sample Number: GW03-FD

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: 41.40375° **Sample Collection: Start:** 12/14/11 12:59
Longitude: -094.99576° **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments: ALL MEASUREMENTS TAKEN FROM THE TOP OF THE WELL CASING.
(N/A) NOTE: MONITORING WELL LOCATION IS IN THE NORTHERN HALF OF THE UNITED METHODIST CHURCH OFFICE PARKING LOT. THIS IS A FIELD DUPLICATE OF GW03.

MONITORING WELL # MW-2

PID = 43.9 ppm DEPTH TO WATER = 34.98' WELL DEPTH = 48.48'
VOLUME = 2.244 GAL NOTE: WATER IS VERY TURBID. & WOULD NOT CLEAR UP.

WATER QUALITY & PURGING DETAILS:

TIME	GALLONS PURGED	TEMP	pH	CONDUCTIVITY	TAG ID	SAMPLE ID
1100	2.5 GAL	13.01°C	7.14	558 µS/cm		
1126	4.5	13.26	5.67	630		
1200	12.5	13.16	6.16	649		
1226	17.5	13.37	6.09	628		
1244	22.5	13.13	6.13	641		
1259	25.0	13.20	6.11	638	5613-103-FD	GW03-FD

Sample Collected By: DZ/TT-START

CONTACT INFO: CHARLES EDWARDS - ROLLING HILLS BANK & TRUST
1307 E 7TH ST.
ATLANTIC, IA 50022
712-243-2244

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

105FB

ASR Number: 5613 **Sample Number:** 105 **QC Code:** FB **Matrix:** Water **Tag ID:** 5613-~~103~~-~~FB~~

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

COC lists 105FB left as "105FB" 12/22/11

Location Desc: LDL VOA sample TRIP BLANK SAMPLE

External Sample Number: GW-TB

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude:	N/A	**Sample Collection: Start:** 12/~~14~~ 7 11	~~14:30~~ 06:46
Longitude:	N/A	**End:** __/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs In Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A) NOTE: TRIP BLANK SAMPLE.

Sample Collected By: DZ/TT-START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5613 **Sample Number:** 107 **QC Code:** FB **Matrix:** Water **Tag ID:** 5613-107-FB

Project ID: RKA72Q00 **Project Manager:** Ron King
Project Desc: Atlantic Water Supply - Site Reassessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: LDL VOA ~~Trip~~ Field GW Blank sample

External Sample Number: GW-FB

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: N/A **Sample Collection: Start:** 12/14/11 13:30
Longitude: N/A **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A) NOTE: FIELD BLANK SAMPLE.

Sample Collected By: DZ/TT-START

United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, Kansas 66101

01/10/2012

Results of Sample Analysis

Sample: 5613-1
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-1. This sample was collected on 12/13/2011 at the location described as: MGW-01 (AMU-7). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-1 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	593	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.01	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	12.07	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-1
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	87	Micrograms per Liter

Sample: 5613-1
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	1.3	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, Kansas 66101

01/10/2012

Results of Sample Analysis

Sample: 5613-1-FD
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-1-FD. This sample was collected on 12/13/2011 at the location described as: MGW-01 (AMU-7)/Field Duplicate of sample 1. If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-1-FD for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	593	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.01	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	12.07	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-1-FD
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	87	Micrograms per Liter

Sample: 5613-1-FD
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	1.3	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, Kansas 66101

01/10/2012

Results of Sample Analysis

Sample: 5613-2
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-2. This sample was collected on 12/13/2011 at the location described as: MGW-02 (AMU-16). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-2 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	294	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.46	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	10.99	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-2
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-2
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, Kansas 66101

01/10/2012

Results of Sample Analysis

Sample: 5613-3
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-3. This sample was collected on 12/13/2011 at the location described as: MGW-03 (AMU-13). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-3 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	283	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.41	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	10.87	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-3
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-3
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-4
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-4. This sample was collected on 12/13/2011 at the location described as: MGW-04 (AMU-11). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-4 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	578	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.42	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	10.78	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-4
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-4
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-5
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-5. This sample was collected on 12/13/2011 at the location described as: MGW-05 (AMU-10). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-5 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	393	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.61	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	11.88	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-5
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-5
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-6
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-6. This sample was collected on 12/13/2011 at the location described as: MGW-06 (AMU-17). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-6 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	337	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.54	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	11.13	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-6
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-6
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-7
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-7. This sample was collected on 12/13/2011 at the location described as: MGW-07 (AMU-12). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-7 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	382	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.51	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	11.05	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-7
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-7
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-8
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-8. This sample was collected on 12/13/2011 at the location described as: MGW-08 (AMU-15). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-8 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	288	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.51	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	11.01	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-8
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-8
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-9
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-9. This sample was collected on 12/13/2011 at the location described as: MGW-09 (AMU-14). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-9 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	279	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.38	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	11.07	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-9
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter

Sample: 5613-9
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-10
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-10. This sample was collected on 12/13/2011 at the location described as: MGW-10 (AMU-6). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-10 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	398	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.48	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	11.47	Degrees Celsius
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter

Sample: 5613-10
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	3.6	Micrograms per Liter

Sample: 5613-10
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-11-FB
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-11-FB. This sample was collected on 12/07/2011 at the location described as: MGW-DW VOA Trip Blank sample. If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-11-FB for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter

Sample: 5613-11-FB
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter

Sample: 5613-11-FB
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-12-FB
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-12-FB. This sample was collected on 12/13/2011 at the location described as: DW VOA Field Blank sample. If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-12-FB for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Volatile Organic Compounds (VOCs) in Drinking Water by Gas Chromatography and Mass Selective Detection (GC/MS)		
Acetone	Less Than 10	Micrograms per Liter
Benzene	Less Than 0.50	Micrograms per Liter
Bromobenzene	Less Than 0.50	Micrograms per Liter
Bromochloromethane	Less Than 0.50	Micrograms per Liter
Bromodichloromethane	Less Than 0.50	Micrograms per Liter
Bromoform	Less Than 0.50	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
n-Butylbenzene	Less Than 0.50	Micrograms per Liter
sec-Butylbenzene	Less Than 0.50	Micrograms per Liter
tert-Butylbenzene	Less Than 0.50	Micrograms per Liter
Carbon Disulfide	Less Than 0.50	Micrograms per Liter
Carbon Tetrachloride	Less Than 0.50	Micrograms per Liter
Chlorobenzene	Less Than 0.50	Micrograms per Liter
Chloroethane	Less Than 0.50	Micrograms per Liter
Chloroform	Less Than 0.50	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
2-Chlorotoluene	Less Than 0.50	Micrograms per Liter
4-Chlorotoluene	Less Than 0.50	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 1.0	Micrograms per Liter
Dibromochloromethane	Less Than 0.50	Micrograms per Liter
1,2-Dibromoethane	Less Than 0.50	Micrograms per Liter
Dibromomethane	Less Than 0.50	Micrograms per Liter

Sample: 5613-12-FB
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 0.50	Micrograms per Liter
Dichlorodifluoromethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,2-Dichloroethane	Less Than 0.50	Micrograms per Liter
1,1-Dichloroethene	Less Than 0.50	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 0.50	Micrograms per Liter
1,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,3-Dichloropropane	Less Than 1.0	Micrograms per Liter
2,2-Dichloropropane	Less Than 0.50	Micrograms per Liter
1,1-Dichloropropene	Less Than 0.50	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 0.50	Micrograms per Liter
Ethyl Benzene	Less Than 0.50	Micrograms per Liter
Hexachlorobutadiene	Less Than 0.50	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 0.50	Micrograms per Liter
p-Isopropyltoluene	Less Than 0.50	Micrograms per Liter
Methylene Chloride	Less Than 0.50	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 1.0	Micrograms per Liter
n-Propylbenzene	Less Than 0.50	Micrograms per Liter
Styrene	Less Than 0.50	Micrograms per Liter
1,1,1,2-Tetrachloroethane	Less Than 0.50	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 0.50	Micrograms per Liter
Toluene	Less Than 0.50	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 0.50	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 0.50	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 0.50	Micrograms per Liter
Trichloroethene	Less Than 0.50	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter

Sample: 5613-12-FB
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2,3-Trichloropropane	Less Than 0.50	Micrograms per Liter
1,2,4-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
1,3,5-Trimethylbenzene	Less Than 0.50	Micrograms per Liter
Vinyl Chloride	Less Than 0.50	Micrograms per Liter
m and/or p-Xylene	Less Than 0.50	Micrograms per Liter
o-Xylene	Less Than 0.50	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-101
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-101. This sample was collected on 12/12/2011 at the location described as: GW-01 (MW-1). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-101 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	528	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.69	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	12.41	Degrees Celsius
Volatile Organic Compounds (VOCs) in Water by Gas Chromatography and Mass Selective Detection (GC/MS) for Low Detection Limits		
Acetone	Less Than 5.0	Micrograms per Liter
Benzene	Less Than 1.0	Micrograms per Liter
Bromodichloromethane	Less Than 1.0	Micrograms per Liter
Bromoform	Less Than 1.0	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
Carbon Disulfide	Less Than 1.0	Micrograms per Liter
Carbon Tetrachloride	Less Than 1.0	Micrograms per Liter
Chlorobenzene	Less Than 1.0	Micrograms per Liter
Chloroethane	Less Than 1.0	Micrograms per Liter
Chloroform	Less Than 1.0	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
Cyclohexane	Less Than 1.0	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 5.0	Micrograms per Liter
Dibromochloromethane	Less Than 1.0	Micrograms per Liter
1,2-Dibromoethane	Less Than 1.0	Micrograms per Liter

Sample: 5613-101
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
Dichlorodifluoromethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,2-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethene	Less Than 1.0	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
1,2-Dichloropropane	Less Than 1.0	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
Ethyl Benzene	Less Than 1.0	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 1.0	Micrograms per Liter
Methyl Acetate	Less Than 5.0	Micrograms per Liter
Methyl tert-butyl ether	Less Than 1.0	Micrograms per Liter
Methylcyclohexane	Less Than 1.0	Micrograms per Liter
Methylene Chloride	Less Than 1.0	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 2.0	Micrograms per Liter
Styrene	Less Than 1.0	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 1.0	Micrograms per Liter
Toluene	Less Than 1.0	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 1.0	Micrograms per Liter
Trichloroethene	Less Than 1.0	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichlorotrifluoroethane	Less Than 1.0	Micrograms per Liter
Vinyl Chloride	Less Than 1.0	Micrograms per Liter
m and/or p-Xylene	Less Than 2.0	Micrograms per Liter
o-Xylene	Less Than 1.0	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-102
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-102. This sample was collected on 12/13/2011 at the location described as: GW-02 (MW-3). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-102 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	593	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.41	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	13.12	Degrees Celsius
Volatile Organic Compounds (VOCs) in Water by Gas Chromatography and Mass Selective Detection (GC/MS) for Low Detection Limits		
Acetone	Less Than 5.0	Micrograms per Liter
Benzene	Less Than 1.0	Micrograms per Liter
Bromodichloromethane	Less Than 1.0	Micrograms per Liter
Bromoform	Less Than 1.0	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
Carbon Disulfide	Less Than 1.0	Micrograms per Liter
Carbon Tetrachloride	Less Than 1.0	Micrograms per Liter
Chlorobenzene	Less Than 1.0	Micrograms per Liter
Chloroethane	Less Than 1.0	Micrograms per Liter
Chloroform	Less Than 1.0	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
Cyclohexane	Less Than 1.0	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 5.0	Micrograms per Liter
Dibromochloromethane	Less Than 1.0	Micrograms per Liter
1,2-Dibromoethane	Less Than 1.0	Micrograms per Liter

Sample: 5613-102
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
Dichlorodifluoromethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,2-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethene	Less Than 1.0	Micrograms per Liter
cis-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
1,2-Dichloropropane	Less Than 1.0	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
Ethyl Benzene	Less Than 1.0	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 1.0	Micrograms per Liter
Methyl Acetate	Less Than 5.0	Micrograms per Liter
Methyl tert-butyl ether	Less Than 1.0	Micrograms per Liter
Methylcyclohexane	Less Than 1.0	Micrograms per Liter
Methylene Chloride	Less Than 1.0	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 2.0	Micrograms per Liter
Styrene	Less Than 1.0	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 1.0	Micrograms per Liter
Toluene	Less Than 1.0	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 1.0	Micrograms per Liter
Trichloroethene	Less Than 1.0	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichlorotrifluoroethane	Less Than 1.0	Micrograms per Liter
Vinyl Chloride	Less Than 1.0	Micrograms per Liter
m and/or p-Xylene	Less Than 2.0	Micrograms per Liter
o-Xylene	Less Than 1.0	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-103
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-103. This sample was collected on 12/14/2011 at the location described as: GW-03 (MW-2). If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-103 for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	638	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.11	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	13.20	Degrees Celsius
Volatile Organic Compounds (VOCs) in Water by Gas Chromatography and Mass Selective Detection (GC/MS) for Low Detection Limits		
Acetone	Less Than 5.0	Micrograms per Liter
Benzene	Less Than 1.0	Micrograms per Liter
Bromodichloromethane	Less Than 1.0	Micrograms per Liter
Bromoform	Less Than 1.0	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
Carbon Disulfide	Less Than 1.0	Micrograms per Liter
Carbon Tetrachloride	Less Than 1.0	Micrograms per Liter
Chlorobenzene	Less Than 1.0	Micrograms per Liter
Chloroethane	Less Than 1.0	Micrograms per Liter
Chloroform	Less Than 1.0	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
Cyclohexane	Less Than 1.0	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 5.0	Micrograms per Liter
Dibromochloromethane	Less Than 1.0	Micrograms per Liter
1,2-Dibromoethane	Less Than 1.0	Micrograms per Liter

Sample: 5613-103
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
Dichlorodifluoromethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,2-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethene	Less Than 1.0	Micrograms per Liter
cis-1,2-Dichloroethene	3.7	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
1,2-Dichloropropane	Less Than 1.0	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
Ethyl Benzene	Less Than 1.0	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 1.0	Micrograms per Liter
Methyl Acetate	Less Than 5.0	Micrograms per Liter
Methyl tert-butyl ether	Less Than 1.0	Micrograms per Liter
Methylcyclohexane	Less Than 1.0	Micrograms per Liter
Methylene Chloride	Less Than 1.0	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 2.0	Micrograms per Liter
Styrene	Less Than 1.0	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	2500	Micrograms per Liter
Toluene	Less Than 1.0	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 1.0	Micrograms per Liter
Trichloroethene	Less Than 1.0	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichlorotrifluoroethane	Less Than 1.0	Micrograms per Liter
Vinyl Chloride	Less Than 1.0	Micrograms per Liter
m and/or p-Xylene	Less Than 2.0	Micrograms per Liter
o-Xylene	Less Than 1.0	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-103-FD
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-103-FD. This sample was collected on 12/14/2011 at the location described as: GW-03 (MW-2)/Field Duplicate of sample 103. If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-103-FD for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Conductivity (Specific Conductivity) by Field Measurement		
Conductivity	638	Micromhos per Centimeter
pH of Water by Field Measurement		
pH	6.11	Standard Units (pH)
Temperature of Water by Field Measurement		
Temperature	13.20	Degrees Celsius
Volatile Organic Compounds (VOCs) in Water by Gas Chromatography and Mass Selective Detection (GC/MS) for Low Detection Limits		
Acetone	Less Than 5.0	Micrograms per Liter
Benzene	Less Than 1.0	Micrograms per Liter
Bromodichloromethane	Less Than 1.0	Micrograms per Liter
Bromoform	Less Than 1.0	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
Carbon Disulfide	Less Than 1.0	Micrograms per Liter
Carbon Tetrachloride	Less Than 1.0	Micrograms per Liter
Chlorobenzene	Less Than 1.0	Micrograms per Liter
Chloroethane	Less Than 1.0	Micrograms per Liter
Chloroform	Less Than 1.0	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
Cyclohexane	Less Than 1.0	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 5.0	Micrograms per Liter
Dibromochloromethane	Less Than 1.0	Micrograms per Liter
1,2-Dibromoethane	Less Than 1.0	Micrograms per Liter

Sample: 5613-103-FD
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
1,2-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
Dichlorodifluoromethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,2-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethene	Less Than 1.0	Micrograms per Liter
cis-1,2-Dichloroethene	3.8	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
1,2-Dichloropropane	Less Than 1.0	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
Ethyl Benzene	Less Than 1.0	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 1.0	Micrograms per Liter
Methyl Acetate	Less Than 5.0	Micrograms per Liter
Methyl tert-butyl ether	Less Than 1.0	Micrograms per Liter
Methylcyclohexane	Less Than 1.0	Micrograms per Liter
Methylene Chloride	Less Than 1.0	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 2.0	Micrograms per Liter
Styrene	Less Than 1.0	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	2400	Micrograms per Liter
Toluene	Less Than 1.0	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 1.0	Micrograms per Liter
Trichloroethene	Less Than 1.0	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichlorotrifluoroethane	Less Than 1.0	Micrograms per Liter
Vinyl Chloride	Less Than 1.0	Micrograms per Liter
m and/or p-Xylene	Less Than 2.0	Micrograms per Liter
o-Xylene	Less Than 1.0	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-105-FB
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-105-FB. This sample was collected on 12/07/2011 at the location described as: LDL VOA Trip Blank sample. If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-105-FB for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Volatile Organic Compounds (VOCs) in Water by Gas Chromatography and Mass Selective Detection (GC/MS) for Low Detection Limits		
Acetone	Less Than 5.0	Micrograms per Liter
Benzene	Less Than 1.0	Micrograms per Liter
Bromodichloromethane	Less Than 1.0	Micrograms per Liter
Bromoform	Less Than 1.0	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
Carbon Disulfide	Less Than 1.0	Micrograms per Liter
Carbon Tetrachloride	Less Than 1.0	Micrograms per Liter
Chlorobenzene	Less Than 1.0	Micrograms per Liter
Chloroethane	Less Than 1.0	Micrograms per Liter
Chloroform	Less Than 1.0	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
Cyclohexane	Less Than 1.0	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 5.0	Micrograms per Liter
Dibromochloromethane	Less Than 1.0	Micrograms per Liter
1,2-Dibromoethane	Less Than 1.0	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
Dichlorodifluoromethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,2-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethene	Less Than 1.0	Micrograms per Liter

Sample: 5613-105-FB
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
cis-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
1,2-Dichloropropane	Less Than 1.0	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
Ethyl Benzene	Less Than 1.0	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 1.0	Micrograms per Liter
Methyl Acetate	Less Than 5.0	Micrograms per Liter
Methyl tert-butyl ether	Less Than 1.0	Micrograms per Liter
Methylcyclohexane	Less Than 1.0	Micrograms per Liter
Methylene Chloride	Less Than 1.0	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 2.0	Micrograms per Liter
Styrene	Less Than 1.0	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 1.0	Micrograms per Liter
Toluene	Less Than 1.0	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 1.0	Micrograms per Liter
Trichloroethene	Less Than 1.0	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichlorotrifluoroethane	Less Than 1.0	Micrograms per Liter
Vinyl Chloride	Less Than 1.0	Micrograms per Liter
m and/or p-Xylene	Less Than 2.0	Micrograms per Liter
o-Xylene	Less Than 1.0	Micrograms per Liter

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Results of Sample Analysis

Sample: 5613-107-FB
Project ID: RKA72Q00

These are the results from the analysis of water sample number 5613-107-FB. This sample was collected on 12/14/2011 at the location described as: LDL VOA Field Blank sample. If you have any questions about these results, contact Ron King at the above address or by calling 913-551-7568. Correspondence should refer to sample number 5613-107-FB for project: RKA72Q00 - Atlantic Water Supply - Site Reassessment sampling.

Analysis/Analyte	Amount Found	Units
Volatile Organic Compounds (VOCs) in Water by Gas Chromatography and Mass Selective Detection (GC/MS) for Low Detection Limits		
Acetone	Less Than 5.0	Micrograms per Liter
Benzene	Less Than 1.0	Micrograms per Liter
Bromodichloromethane	Less Than 1.0	Micrograms per Liter
Bromoform	Less Than 1.0	Micrograms per Liter
Bromomethane	Less Than 1.0	Micrograms per Liter
2-Butanone	Less Than 5.0	Micrograms per Liter
Carbon Disulfide	Less Than 1.0	Micrograms per Liter
Carbon Tetrachloride	Less Than 1.0	Micrograms per Liter
Chlorobenzene	Less Than 1.0	Micrograms per Liter
Chloroethane	Less Than 1.0	Micrograms per Liter
Chloroform	Less Than 1.0	Micrograms per Liter
Chloromethane	Less Than 1.0	Micrograms per Liter
Cyclohexane	Less Than 1.0	Micrograms per Liter
1,2-Dibromo-3-Chloropropane	Less Than 5.0	Micrograms per Liter
Dibromochloromethane	Less Than 1.0	Micrograms per Liter
1,2-Dibromoethane	Less Than 1.0	Micrograms per Liter
1,2-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,3-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
1,4-Dichlorobenzene	Less Than 1.0	Micrograms per Liter
Dichlorodifluoromethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,2-Dichloroethane	Less Than 1.0	Micrograms per Liter
1,1-Dichloroethene	Less Than 1.0	Micrograms per Liter

Sample: 5613-107-FB
Project ID: RKA72Q00

Analysis/Analyte	Amount Found	Units
cis-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
trans-1,2-Dichloroethene	Less Than 1.0	Micrograms per Liter
1,2-Dichloropropane	Less Than 1.0	Micrograms per Liter
cis-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
trans-1,3-Dichloropropene	Less Than 1.0	Micrograms per Liter
Ethyl Benzene	Less Than 1.0	Micrograms per Liter
2-Hexanone	Less Than 5.0	Micrograms per Liter
Isopropylbenzene	Less Than 1.0	Micrograms per Liter
Methyl Acetate	Less Than 5.0	Micrograms per Liter
Methyl tert-butyl ether	Less Than 1.0	Micrograms per Liter
Methylcyclohexane	Less Than 1.0	Micrograms per Liter
Methylene Chloride	Less Than 1.0	Micrograms per Liter
4-Methyl-2-Pentanone	Less Than 5.0	Micrograms per Liter
Naphthalene	Less Than 2.0	Micrograms per Liter
Styrene	Less Than 1.0	Micrograms per Liter
1,1,2,2-Tetrachloroethane	Less Than 1.0	Micrograms per Liter
Tetrachloroethene	Less Than 1.0	Micrograms per Liter
Toluene	Less Than 1.0	Micrograms per Liter
1,2,3-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,2,4-Trichlorobenzene	Less Than 1.0	Micrograms per Liter
1,1,1-Trichloroethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichloroethane	Less Than 1.0	Micrograms per Liter
Trichloroethene	Less Than 1.0	Micrograms per Liter
Trichlorofluoromethane	Less Than 1.0	Micrograms per Liter
1,1,2-Trichlorotrifluoroethane	Less Than 1.0	Micrograms per Liter
Vinyl Chloride	Less Than 1.0	Micrograms per Liter
m and/or p-Xylene	Less Than 2.0	Micrograms per Liter
o-Xylene	Less Than 1.0	Micrograms per Liter