



Waste Management
ENVIRONMENTAL QUALITY

PAT MCCRORY
Governor

DONALD R. VAN DER VART
Secretary

MICHAEL SCOTT
Director

July 28, 2016

Kim & Virginia Belk
2428 Heavner Road
Lincolnton, North Carolina 28092

Re: Water-Supply Well Sampling Result (WSW-1)
2119 Old Carpenter Lane
Lincolnton, Lincoln County, North Carolina
NCN000410439

Dear Property Owners:

On June 14, 2016, the Inactive Hazardous Sites Branch of the North Carolina Division of Waste Management collected a groundwater sample from a water-supply well at the above referenced location. The sample was submitted for laboratory analyses of select Volatile Organic Compounds (VOCs) as part of a groundwater investigation along or near Bynum Road, Southside Church Road, and Southside Road in Lincolnton, Lincoln County. A review of the laboratory data suggests that **no VOCs were detected** in the groundwater sample from the June 14, 2016 sampling event.

I appreciate your participation in this investigation, and I have enclosed a portion of the laboratory report. If you have questions, need additional information, or would like to review the complete laboratory report in its entirety, please contact me at (704) 663-1699.

Sincerely,

A handwritten signature in black ink, appearing to read 'George D. Adams'.

George D. Adams, Engineer
Division of Waste Management, NCDEQ

Enclosure:

cc: Current Occupant (w/ enc)
2119 Old Carpenter Lane
Lincolnton, North Carolina 28092

ec: Scott Sneed
Lincoln County Environmental Health
ssneed@lincolncounty.org

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **DEQ DWM**

Laboratory ID: **RF15017-001**

Description: **WSW-1**

Matrix: **Aqueous**

Date Sampled: **06/14/2016 1135**

Date Received: **06/15/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/16/2016 1226	SES		15698

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM)	ND		3.0	0.85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **DEQ DWM**

Laboratory ID: **RF15017-001**

Description: **WSW-1**

Matrix: **Aqueous**

Date Sampled: **06/14/2016 1135**

Date Received: **06/15/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2016 1231	TML		15689

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **DEQ DWM**

Laboratory ID: **RF15017-001**

Description: **WSW-1**

Matrix: **Aqueous**

Date Sampled: **06/14/2016 1135**

Date Received: **06/15/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2016 1231	TML		15689

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com



PAT MCCRORY
Governor

DONALD R. VAN DER VART
Secretary

MICHAEL SCOTT
Director

July 28, 2016

Charles & Janice Anthony
2121 Gastonia Highway
Lincolnton, North Carolina 28092

Re: Water-Supply Well Sampling Result (WSW-2)
2121 Gastonia Highway
Lincolnton, Lincoln County, North Carolina
NCN000410439

Dear Property Owners:

On June 14, 2016, the Inactive Hazardous Sites Branch (IHSB) of the North Carolina Division of Waste Management (Division) collected a groundwater sample from a water-supply well at the above referenced location. The sample was submitted for laboratory analyses of select Volatile Organic Compounds (VOCs) as part of a groundwater investigation along or near Bynum Road, Southside Church Road, and Southside Road in Lincolnton, Lincoln County. A summary of analytical results from the June 14, 2016 sampling event as reported by Shealy Environmental Services, Inc. appears in the following table.

Lab Sample Number	Sample ID	Location	Date Sampled	Constituent (µg/L)
				CHCl ₃
RF15017-002	WSW-2	2121 Gastonia Highway	6/14/2016	0.20 J

CHCl₃ = Chloroform
J = Estimated Concentration
µg/L = micrograms / Liter (~parts per billion)

Laboratory analyses of the groundwater sample collected from the onsite water-supply well on June 14, 2016 reported a concentration of chloroform. The reported concentration of chloroform is below the United States Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Total Trihalomethanes (TTHM) for drinking water. (The TTHM MCL is the sum of bromoform, chloroform, bromodichloromethane, and dibromochloromethane).

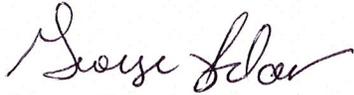
The data summarized above were used to conduct a Health Risk Evaluation (HRE) by Hanna Asssefa of the Division of Waste Management (Division). I have enclosed a copy of the HRE and a portion of the laboratory report for your review. In addition, complete laboratory reports

Charles & Janice Anthony
July 28, 2016
Page 2 of 2

from the sampling event may be reviewed by accessing the Division's electronic records at the following web portal: <http://edocs.deq.nc.gov/WasteManagement/Search.aspx?cr=1>

I appreciate your participation in this investigation. If you have questions, need additional information, or would like to review the complete laboratory report in its entirety, please contact me at (704) 663-1699.

Sincerely,



George D. Adams, Engineer
Division of Waste Management, NCDEQ

Enclosure

ec: Scott Sneed
Lincoln County Environmental Health
ssneed@lincolncounty.org

July 28, 2016

MEMORANDUM

TO: George Adams, Engineer
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section



RE: Health Risk Evaluation
Southside Road Incident
2121 Gastonia Highway, WSW-2
Lincolton, Lincoln County
NCN000410439

A water sample was collected from the subject well on June 16, 2016. The concentration of chloroform detected in the water sample was below applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the health based North Carolina Groundwater Quality Standard (15A NCAC 2L)/ Interim Standard (IMAC). If both the USEPA MCL and health-based North Carolina 2L/IMAC are not available, a health-based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation, the water from this well can be used for drinking, cooking, and all other purposes listed above.** The table below compares detected contaminant concentrations with the applicable standards:

Sample #	Contaminant	Concentration (ug/L)	US EPA MCL (ug/L)	15A NCAC 2L/IMAC (ug/l)	Calculated Health-based Concentration (ug/l)
RF15017-002	Chloroform	0.20 J	80	*	*

* Not Applicable

ug/L= Micrograms of contaminant per liter of water.

J-Estimated concentration

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: DEQ DWM	Laboratory ID: RF15017-002
Description: WSW-2	Matrix: Aqueous
Date Sampled: 06/14/2016 1405	
Date Received: 06/15/2016	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/16/2016 1250	SES		15698

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM)	ND		3.0	0.85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
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Volatile Organic Compounds by GC/MS

Client: DEQ DWM	Laboratory ID: RF15017-002
Description: WSW-2	Matrix: Aqueous
Date Sampled: 06/14/2016 1405	
Date Received: 06/15/2016	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2016 1254	TML		15689

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	0.20	J	0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: DEQ DWM	Laboratory ID: RF15017-002
Description: WSW-2	Matrix: Aqueous
Date Sampled: 06/14/2016 1405	
Date Received: 06/15/2016	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2016 1254	TML		15689

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



PAT MCCRORY
Governor

DONALD R. VAN DER VART
Secretary

MICHAEL SCOTT
Director

July 28, 2016

Andrew & Sheryl Pate
182 Bynum Road
Lincolnton, North Carolina 28092

Re: Water-Supply Well Sampling Result (WSW-3)
182 Bynum Road
Lincolnton, Lincoln County, North Carolina
NCN000410439

Dear Property Owners:

On June 14, 2016, the Inactive Hazardous Sites Branch (IHSB) of the North Carolina Division of Waste Management (Division) collected a groundwater sample from a water-supply well at the above referenced location. The sample was submitted for laboratory analyses of select Volatile Organic Compounds (VOCs) as part of a groundwater investigation along or near Bynum Road, Southside Church Road, and Southside Road in Lincolnton, Lincoln County. A summary of analytical results from the June 14, 2016 sampling event as reported by Shealy Environmental Services, Inc. appears in the following table.

Lab Sample Number	Sample ID	Location	Date Sampled	Constituent (µg/L)
				1,2-DCA
RF15017-003	WSW-3	182 Bynum Road	6/14/2016	0.17 J

1,2-DCA = 1,2-Dichloroethane
J = Estimated Concentration
µg/L = micrograms / Liter (~parts per billion)

Laboratory analyses of the groundwater sample collected from the onsite water-supply well on June 14, 2016 reported a concentration of 1,2-dichloroethane. The reported concentration of 1,2-dichloroethane is below the United States Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for 1,2-dichloroethane for drinking water.

The data summarized above were used to conduct a Health Risk Evaluation (HRE) by Hanna Asssefa of the Division of Waste Management (Division). I have enclosed a copy of the HRE and a portion of the laboratory report for your review. In addition, complete laboratory reports

Andrew & Sheryl Pate
July 28, 2016
Page 2 of 2

from the sampling event may be reviewed by accessing the Division's electronic records at the following web portal: <http://edocs.deq.nc.gov/WasteManagement/Search.aspx?cr=1>

I appreciate your participation in this investigation. If you have questions, need additional information, or would like to review the complete laboratory report in its entirety, please contact me at (704) 663-1699.

Sincerely,



George D. Adams, Engineer
Division of Waste Management, NCDEQ

Enclosure

cc: Scott Sneed
Lincoln County Environmental Health
ssneed@lincolncounty.org

July 28, 2016

MEMORANDUM

TO: George Adams, Engineer
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Southside Road Incident
182 Bynum Road, WSW-3
Lincolton, Lincoln County
NCN000410439

A water sample was collected from the subject well on June 16, 2016. The concentration of 1,2-Dichloroethane detected in the water sample was below applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the health based North Carolina Groundwater Quality Standard (15A NCAC 2L)/ Interim Standard (IMAC). If both the USEPA MCL and health-based North Carolina 2L/IMAC are not available, a health-based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation, the water from this well can be used for drinking, cooking, and all other purposes listed above.** The table below compares detected contaminant concentrations with the applicable standards:

Sample #	Contaminant	Concentration (ug/L)	US EPA MCL (ug/L)	15A NCAC 2L/IMAC (ug/l)	Calculated Health-based Concentration (ug/l)
RF15017-003	1,2-Dichloroethane	0.17 J	5	*	*

* Not Applicable

ug/L= Micrograms of contaminant per liter of water.

J-Estimated concentration

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: DEQ DWM	Laboratory ID: RF15017-003
Description: WSW-3	Matrix: Aqueous
Date Sampled: 06/14/2016 1455	
Date Received: 06/15/2016	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B (SIM iso.)	1	06/16/2016 1315	SES		15698			

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM)	ND		3.0	0.85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130

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 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: DEQ DWM	Laboratory ID: RF15017-003
Description: WSW-3	Matrix: Aqueous
Date Sampled: 06/14/2016 1455	
Date Received: 06/15/2016	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	06/16/2016 1317	TML		15689		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	0.17	J	0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

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Volatile Organic Compounds by GC/MS

Client: DEQ DWM	Laboratory ID: RF15017-003
Description: WSW-3	Matrix: Aqueous
Date Sampled: 06/14/2016 1455	
Date Received: 06/15/2016	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2016 1317	TML		15689

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		104	70-130

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