

Beggs, Tauren R - DNR

From: Karen Dorow <kdorow@manitowoc.org>
Sent: Tuesday, June 26, 2018 3:02 PM
To: Beggs, Tauren R - DNR; Kasdorf, James H Jr - DNR
Cc: Dan Koski; Kathleen McDaniel; Greg Minikel
Subject: 5/31/18 and 6/5/18 Sampling Results - Property Owner Letters
Attachments: 201806261324.pdf

Hello,

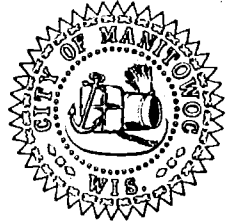
Attached are copies of two letters for confirmation testing and one letter for a property that was not available during the sampling earlier in May.

Karen Dorow | Business Manager
City of Manitowoc
2655 S. 35th St.
Manitowoc, WI 54220
Office (920) 686-6514
Mobile (920) 374-0404

CITY OF MANITOWOC

WISCONSIN, USA

www.manitowoc.org



June 26, 2018

Mr. & Mrs. Kurt Messman
4111 Thunder Ridge Road
Manitowoc, WI 54220

COPY

Dear Mr. & Mrs. Messman:

The City has been conducting sampling of the private potable wells in the vicinity of the Former Newton Gravel Pit. A confirmation sample of your private well took place on Tuesday, June 5, 2018.

The City is in receipt of the sample results for your property. The results indicate the presence of cis-1-2-Dichloroethene, detected by the laboratory at levels below the drinking water standard of 70 micrograms per liter (ug/l). The results also indicated no presence of vinyl chloride at or above detection limits. Since your well tested positive for vinyl chloride in a previous test, we ask that you continue to use the bottled water we have provided you for drinking and cooking. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Jim Kasdorf (920) 387-7872
WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920) 662-5178
WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
WDNR, Remediation & Redevelopment

If you have any questions, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data



Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

Dave Henderson
AECOM
1555 N RIVERCENTER DRIVE
MILWAUKEE, WI 53212

Report Date 12-Jun-18

Project Name FMR NEWTON GRAVEL PIT
Project # 60135471.34

Invoice # E34734

Lab Code 5034734A
Sample ID 4111 THUNDER RI
Sample Matrix Water
Sample Date 6/5/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	<0.22	ug/l	0.22	0.71	1	8260B	6/11/2018	6/11/2018	CJR	1
Bromobenzene	<0.44	ug/l	0.44	1.38	1	8260B	6/11/2018	6/11/2018	CJR	1
Bromodichloromethane	<0.33	ug/l	0.33	1.06	1	8260B	6/11/2018	6/11/2018	CJR	1
Bromoform	<0.45	ug/l	0.45	1.44	1	8260B	6/11/2018	6/11/2018	CJR	1
tert-Butylbenzene	<0.25	ug/l	0.25	0.8	1	8260B	6/11/2018	6/11/2018	CJR	1
sec-Butylbenzene	<0.79	ug/l	0.79	2.53	1	8260B	6/11/2018	6/11/2018	CJR	1
n-Butylbenzene	<0.71	ug/l	0.71	2.25	1	8260B	6/11/2018	6/11/2018	CJR	1
Carbon Tetrachloride	<0.31	ug/l	0.31	0.98	1	8260B	6/11/2018	6/11/2018	CJR	1
Chlorobenzene	<0.26	ug/l	0.26	0.83	1	8260B	6/11/2018	6/11/2018	CJR	1
Chloroethane	<0.61	ug/l	0.61	1.95	1	8260B	6/11/2018	6/11/2018	CJR	1
Chloroform	<0.26	ug/l	0.26	0.82	1	8260B	6/11/2018	6/11/2018	CJR	1
Chloromethane	<0.54	ug/l	0.54	1.72	1	8260B	6/11/2018	6/11/2018	CJR	1
2-Chlorotoluene	<0.31	ug/l	0.31	0.98	1	8260B	6/11/2018	6/11/2018	CJR	1
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2-Dibromo-3-chloropropane	<2.96	ug/l	2.96	9.43	1	8260B	6/11/2018	6/11/2018	CJR	1
Dibromochloromethane	<0.22	ug/l	0.22	0.69	1	8260B	6/11/2018	6/11/2018	CJR	1
1,4-Dichlorobenzene	<0.7	ug/l	0.7	2.22	1	8260B	6/11/2018	6/11/2018	CJR	1
1,3-Dichlorobenzene	<0.85	ug/l	0.85	2.7	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2-Dichlorobenzene	<0.86	ug/l	0.86	2.74	1	8260B	6/11/2018	6/11/2018	CJR	1
Dichlorodifluoromethane	<0.32	ug/l	0.32	1.02	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2-Dichloroethane	<0.25	ug/l	0.25	0.78	1	8260B	6/11/2018	6/11/2018	CJR	1
1,1-Dichloroethane	<0.36	ug/l	0.36	1.14	1	8260B	6/11/2018	6/11/2018	CJR	1
1,1-Dichloroethene	<0.42	ug/l	0.42	1.34	1	8260B	6/11/2018	6/11/2018	CJR	1
cis-1,2-Dichloroethene	0.55 "J"	ug/l	0.37	1.16	1	8260B	6/11/2018	6/11/2018	CJR	1
trans-1,2-Dichloroethene	<0.34	ug/l	0.34	1.07	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2-Dichloropropane	<0.44	ug/l	0.44	1.39	1	8260B	6/11/2018	6/11/2018	CJR	1
1,3-Dichloropropane	<0.3	ug/l	0.3	0.94	1	8260B	6/11/2018	6/11/2018	CJR	1
trans-1,3-Dichloropropene	<0.32	ug/l	0.32	1.01	1	8260B	6/11/2018	6/11/2018	CJR	1
cis-1,3-Dichloropropene	<0.26	ug/l	0.26	0.81	1	8260B	6/11/2018	6/11/2018	CJR	1

Project Name FMR NEWTON GRAVEL PIT
 Project # 60135471.34

Invoice # E34734

Lab Code 5034734A
 Sample ID 4111 THUNDER RI
 Sample Matrix Water
 Sample Date 6/5/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B	6/11/2018	6/11/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B	6/11/2018	6/11/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B	6/11/2018	6/11/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B	6/11/2018	6/11/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B	6/11/2018	6/11/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B	6/11/2018	6/11/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B	6/11/2018	6/11/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B	6/11/2018	6/11/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B	6/11/2018	6/11/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B	6/11/2018	6/11/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B	6/11/2018	6/11/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B	6/11/2018	6/11/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B	6/11/2018	6/11/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B	6/11/2018	6/11/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B	6/11/2018	6/11/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B	6/11/2018	6/11/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B	6/11/2018	6/11/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B	6/11/2018	6/11/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B	6/11/2018	6/11/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B	6/11/2018	6/11/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B	6/11/2018	6/11/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B	6/11/2018	6/11/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B	6/11/2018	6/11/2018	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B	6/11/2018	6/11/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B	6/11/2018	6/11/2018	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B	6/11/2018	6/11/2018	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B	6/11/2018	6/11/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CITY OF MANITOWOC

WISCONSIN, USA
www.manitowoc.org



June 26, 2018

Mr. & Mrs. Howard Linsmeier
4027 Thunder Ridge Road
Manitowoc, WI 54220

COPY

Dear Mr. & Mrs. Linsmeier:

The City has been conducting sampling of the private potable wells in the vicinity of the Former Newton Gravel Pit. A confirmation sample of your private well took place on Thursday, May 31, 2018.

The City is in receipt of the sample results for your property. The results indicate the presence of cis-1-2-Dichloroethene, detected by the laboratory at levels below the drinking water standard of 70 micrograms per liter (ug/l). The results also indicated no presence of vinyl chloride at or above detection limits. Since your well tested positive for vinyl chloride in a previous test, we ask that you continue to use the bottled water we have provided you for drinking and cooking. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Jim Kasdorf (920) 387-7872
WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920) 662-5178
WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
WDNR, Remediation & Redevelopment

If you have any questions, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Project Name NEWTON PIT
 Project # 60135471.34

Invoice # E34733

Lab Code 5034733B
 Sample ID 4027 THUNDER
 Sample Matrix Water
 Sample Date 5/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		6/11/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		6/11/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		6/11/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		6/11/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		6/11/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		6/11/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		6/11/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		6/11/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		6/11/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		6/11/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		6/11/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		6/11/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		6/11/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		6/11/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		6/11/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		6/11/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		6/11/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		6/11/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		6/11/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		6/11/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		6/11/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		6/11/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		6/11/2018	CJR	1
cis-1,2-Dichloroethene	1 "J"	ug/l	0.37	1.16	1	8260B		6/11/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		6/11/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		6/11/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		6/11/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		6/11/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		6/11/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		6/11/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		6/11/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		6/11/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		6/11/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		6/11/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		6/11/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		6/11/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		6/11/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		6/11/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		6/11/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		6/11/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		6/11/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		6/11/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		6/11/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		6/11/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		6/11/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		6/11/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		6/11/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		6/11/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		6/11/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		6/11/2018	CJR	1

Project Name NEWTON PIT
Project # 60135471.34

Invoice # E34733

Lab Code 5034733B
Sample ID 4027 THUNDER
Sample Matrix Water
Sample Date 5/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63		2 1	8260B		6/11/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/11/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		6/11/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		6/11/2018	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		6/11/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	86	REC %			1	8260B		6/11/2018	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		6/11/2018	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		6/11/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

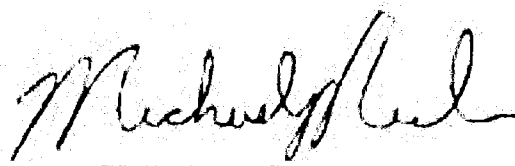
LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature





CITY OF MANITOWOC

WISCONSIN, USA
www.manitowoc.org



June 26, 2018

COPY

Ms. Brenda Birringer
3027 Orchard Lane
Manitowoc, WI 54220

Dear Ms. Birringer:

The City has been conducting sampling of the private potable wells in the vicinity of the former Newton Gravel Pit. Your private well was included in the sampling that took place on Thursday, May 31, 2018.

The City is in receipt of the sample results for your property. The results confirm that water from your well does not indicate the presence of volatile organic compounds (VOCs). According to DNR guidelines the well water remains fit for consumption, and you can continue using it with no limitations. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Jim Kasdorf (920) 387-7872
WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920) 662-5178
WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-3393
Wisconsin Department of Health Services

If you have any questions, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

Dave Henderson
AECOM
1555 N RIVERCENTER DRIVE
MILWAUKEE, WI 53212

Report Date 12-Jun-18

Project Name NEWTON PIT
Project # 60135471.34

Invoice # E34733

Lab Code 5034733A
Sample ID 3027 ORCHARD
Sample Matrix Water
Sample Date 5/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		6/11/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		6/11/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		6/11/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		6/11/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		6/11/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		6/11/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		6/11/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		6/11/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		6/11/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		6/11/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		6/11/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		6/11/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		6/11/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		6/11/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		6/11/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		6/11/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		6/11/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		6/11/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		6/11/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		6/11/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		6/11/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		6/11/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		6/11/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		6/11/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		6/11/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		6/11/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		6/11/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		6/11/2018	CJR	1/
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		6/11/2018	CJR	1

Project Name NEWTON PIT
Project # 60135471.34

Invoice # E34733

Lab Code 5034733A
Sample ID 3027 ORCHARD
Sample Matrix Water
Sample Date 5/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		6/11/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		6/11/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		6/11/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		6/11/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		6/11/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		6/11/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		6/11/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		6/11/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		6/11/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		6/11/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		6/11/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		6/11/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		6/11/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		6/11/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		6/11/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		6/11/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		6/11/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		6/11/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		6/11/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		6/11/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		6/11/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		6/11/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/11/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		6/11/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		6/11/2018	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		6/11/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		6/11/2018	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		6/11/2018	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		6/11/2018	CJR	1