Tisa, Kimberly

From: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>
Sent: Friday, July 21, 2017 3:19 PM
To: Battaglia, Frank; Tisa, Kimberly
Cc: Rick Kowalski
Subject: FW: Cranston soil remedy.
Attachments: SRI Report_2016 Table F-1 Groundwater data.pdf; MP 3S_I LowFlowLogs_July2013.pdf; SRI Appendix B_AS Pilot Test Logs.pdf; SRI Report_2016 figure 3-1 GW locations.pdf; SRI Report_2016 GW CSM Section 5.3.pdf; SRI Report_2016 Section 3.2 Groundwater.pdf; SRI Report_2016 Section 4.2.3 PCB Groundwater.pdf

Frank and Kim,
Based on my conversation with Frank, attached is what I hope contains what you need to support your understanding of PCB in GW at the site (it's more than you asked for, but ...).
This information has all been excerpted from the 2016 Supplemental RI (AECOM).

1. PCB in groundwater text sections.
2. MP-3S/I/D well and field logs (and other wells in the area).
3. VOC soil data at MP-3
4. VOC and PCB in GW at MP-3S/I.

If there is anything else you need, please ask.

We are developing an O3 pilot test to be implemented in the coming months, and we will include analysis of its effect on PCB destruction. I will copy you on the work plan that will be approved by the DEM.

Sincerely,
Joe.
EHS Remediation Specialist

Phone: 973 245 5269 Mobile: 732 762 4743 E-Mail: joseph.guarnaccia@basf.com
Postal Address: BASF Corporation, 100 Park Ave, Florham Park, N.J. 07932 USA

SEMS DocID 650938

7.0 congeners
9.0 Ar1242

Table of Contents

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl1-BZ#1	51	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl1-BZ#2	1.3	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl1-BZ#3	4.1	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl2-BZ#4/#10	410	220	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl2-BZ#9	21	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl2-BZ#7	10	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl2-BZ#6	52	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl2-BZ#5	8.3	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl2-BZ#8	280	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl3-BZ#19	150	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl2-BZ#14	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#30	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#18	1200	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl2-BZ#11	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#17	270	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl2-BZ#12	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#27	33	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl2-BZ#13	1.9	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#24	5.9	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#16	350	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl3-BZ#32	180	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl2-BZ#15	6.4	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#34	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#54	3.1	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#23	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#29	1.8	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#50	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#26	45	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#25	12	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#53	150	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#31	370	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl3-BZ#28	240	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl3-BZ#33/#21/#20	170	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#51	33	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#45	140	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#22	110	110	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl4-BZ#46	56	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#73	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#69	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#43	23	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#36	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#52	480	220	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl4-BZ#48	110	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#49	240	220	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#104	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#47/#65/#62	63	6.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#75	4.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#39	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#38	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#44	420	220	ng/L	100		SW846-8270M	4/24/17	5/5/17 22:57	CJM
Cl4-BZ#59	23	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#42	110	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#71	100	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#35	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#41	49	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#96	3.3	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#72	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#103	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#64	170	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#40/#68	43	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl3-BZ#37	9.2	1.1	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#100	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#94	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#57	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#67/#58	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#102	6.6	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#61	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#98	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#93	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#76	2.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#63	6.4	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#88/#95	62	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#121	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#74	75	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#155	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#70	160	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#91	15	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#66	100	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#80/#55	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#92	8.1	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#89/#84	32	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#56	66	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#90/#101	45	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#113	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#60	27	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#99	21	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#150	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#152	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#119/#83	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#125/#112/#86	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#109	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#145	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#97	21	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#148	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#79	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#116	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#87	22	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#78	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#154/#136	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#111/#117/#115	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#85	11	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#120/#110	39	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#81	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#151	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#135	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#82	9.8	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#144	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#147/#149	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl4-BZ#77	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#143/#139	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#140	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#124	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#108	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#123/#107	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#188	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#134	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#106	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#142	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#133/#131	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#118	17	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#184	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#165	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#146	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#122	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#161	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#114	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#168	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#153	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#132	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#179	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#141	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#176	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM

120.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#105	7.4	2.2	ng/L	1	Z-01	SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#137	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#186	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#127	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#130/#164	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#178	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#138	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#160/#129/#163	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#158	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#182/#175	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#187	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#183	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#166	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#159	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl5-BZ#126	ND	2.2	ng/L	1	Z-01	SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#185	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#128/#162	ND	4.4	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#174	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#202	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#167	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#181	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#177	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#200/#204	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#171	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#173	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#197	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#172	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#156	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#192	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#157	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#180	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#193	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#199	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#191	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#198	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#201	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#170	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl7-BZ#190	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#196	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#203	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl6-BZ#169	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl9-BZ#208	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl9-BZ#207	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM

TOTAL 6,908 ng/L or 7.ppb

7.4

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl7-BZ#189	ND	2.2	ng/L	1	R-05	SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#195	ND	3.3	ng/L	1	R-05	SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#194	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl8-BZ#205	ND	3.3	ng/L	1		SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl9-BZ#206	ND	3.3	ng/L	1	L-07A	SW846-8270M	4/24/17	5/6/17 4:16	CJM
Cl10-BZ#209	ND	3.3	ng/L	1	L-07A	SW846-8270M	4/24/17	5/6/17 4:16	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Tetrachloro-m-xylene	68.9	40-140		5/6/17 4:16

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Acrylonitrile	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Benzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Bromobenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Bromochloromethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Bromodichloromethane	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Bromoform	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Bromomethane	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
2-Butanone (MEK)	ND	400	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
tert-Butyl Alcohol (TBA)	ND	400	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Carbon Disulfide	ND	80	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Carbon Tetrachloride	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Chlorobenzene	680	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Chloroethane	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Chloroform	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Chloromethane	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Dibromomethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2-Dichlorobenzene	630	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
trans-1,4-Dichloro-2-butene	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
cis-1,2-Dichloroethylene	130	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1-Dichloropropene	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
cis-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
trans-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Diethyl Ether	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,4-Dioxane	ND	1000	µg/L	20	V-16	SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Ethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Hexachlorobutadiene	ND	12	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
2-Hexanone (MBK)	ND	200	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Methyl Acetate	ND	20	µg/L	20	L-04	SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Methyl Cyclohexane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Methylene Chloride	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Naphthalene	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Styrene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Tetrachloroethylene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Tetrahydrofuran	ND	200	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Toluene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2,3-Trichlorobenzene	ND	100	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,3,5-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Trichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2,3-Trichloropropane	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
Vinyl Chloride	41	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
m+p Xylene	ND	40	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH
o-Xylene	ND	20	µg/L	20		SW-846 8260C	4/25/17	4/25/17 21:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		4/25/17 21:43
Toluene-d8	100	70-130		4/25/17 21:43
4-Bromofluorobenzene	101	70-130		4/25/17 21:43

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3S Sampled: 4/19/2017 09:05

Sample ID: 17D0859-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1221 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1232 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1242 [2]	9.0	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1248 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1254 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1260 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1262 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL
Aroclor-1268 [1]	ND	1.9	µg/L	10		SW-846 8082A	4/21/17	4/25/17 10:40	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.8	30-150		4/25/17 10:40
Decachlorobiphenyl [2]	76.3	30-150		4/25/17 10:40
Tetrachloro-m-xylene [1]	82.5	30-150		4/25/17 10:40
Tetrachloro-m-xylene [2]	87.9	30-150		4/25/17 10:40

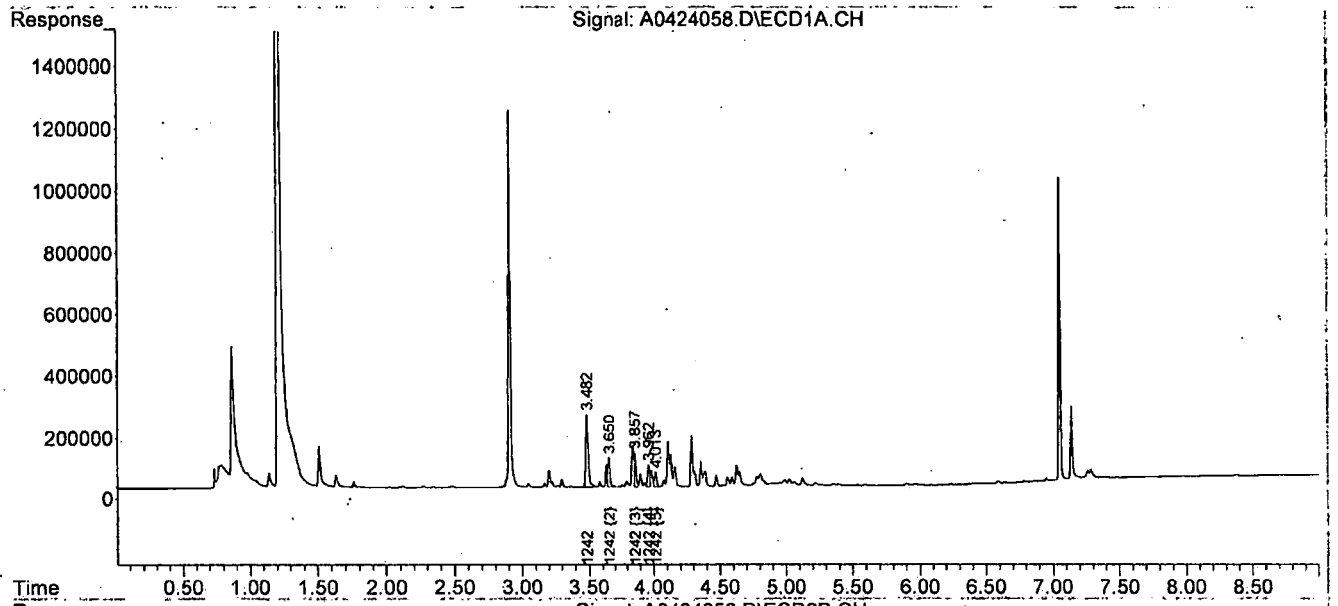
MP-35

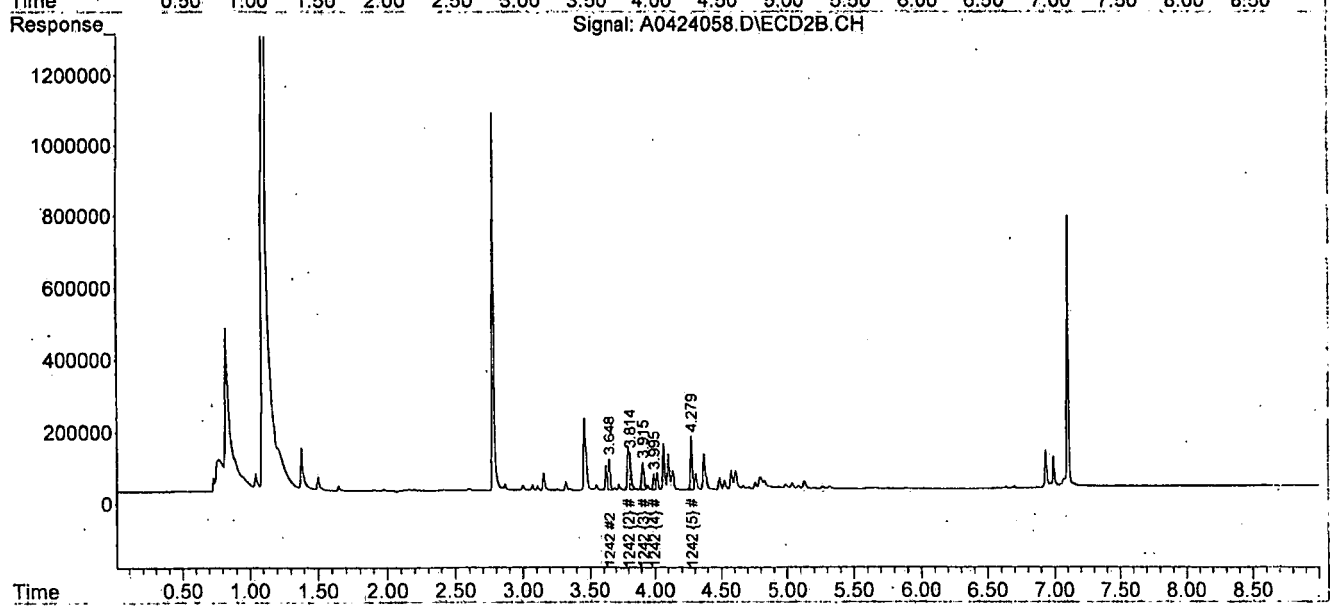
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424058.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Apr 2017 10:40 am
Operator : JMB
Sample : 17D0859-01@10X Inst : HP G1530A
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 25 12:18:26 2017
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1242-041917C.M
Quant Title : 1242 04/19/17 03/09/17 ICAL 1700139
QLast Update : Thu Apr 20 12:27:17 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2.42 ppb congeners
0.33 as Ar1242

Table of Contents

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3I Sampled: 4/19/2017 10:07

Sample ID: 17D0859-02

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl1-BZ#1	1000	95	ng/L	100		SW846-8270M	4/24/17	5/6/17 0:43	CJM
Cl1-BZ#2	54	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl1-BZ#3	460	95	ng/L	100		SW846-8270M	4/24/17	5/6/17 0:43	CJM
Cl2-BZ#4/#10	120	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#9	43	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#7	44	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#6	110	95	ng/L	100		SW846-8270M	4/24/17	5/6/17 0:43	CJM
Cl2-BZ#5	40	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#8	330	95	ng/L	100		SW846-8270M	4/24/17	5/6/17 0:43	CJM
Cl3-BZ#19	2.9	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#14	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#30	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#18	22	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#11	2.9	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#17	8.7	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#12	15	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#27	1.5	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#13	21	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#24	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#16	10	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#32	4.1	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl2-BZ#15	70	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#34	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#54	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#23	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#29	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#50	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#26	2.4	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#25	1.9	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#53	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#31	8.2	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#28	8.0	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#33/#21/#20	11	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#51	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#45	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#22	4.4	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#46	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#73	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#69	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#43	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#36	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#52	5.2	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#48	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#49	2.1	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM

2.402.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859
Date Received: 4/19/2017
Field Sample #: MP-3I Sampled: 4/19/2017 10:07
Sample ID: 17D0859-02
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#104	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#47/#65/#62	ND	5.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#75	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#39	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#38	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#44	4.0	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#59	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#42	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#71	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#35	ND	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#41	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#96	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#72	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#103	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#64	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#40/#68	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl3-BZ#37	1.1	0.95	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#100	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#94	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#57	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#67/#58	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#102	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#61	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#98	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#93	ND	5.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#76	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#63	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#88/#95	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#121	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#74	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#155	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#70	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#91	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#66	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#80/#55	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#92	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#89/#84	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#56	3.0	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#90/#101	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#113	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#60	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#99	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#150	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#152	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-31 Sampled: 4/19/2017 10:07

Sample ID: 17D0859-02

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#119/#83	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#125/#112/#86	ND	5.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#109	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#145	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#97	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#148	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#79	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#116	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#87	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#78	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#154/#136	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#111/#117/#115	ND	5.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#85	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#120/#110	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#81	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#151	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#135	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#82	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#144	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#147/#149	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl4-BZ#77	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#143/#139	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#140	8.3	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#124	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#108	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#123/#107	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#188	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#134	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#106	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#142	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#133/#131	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#118	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#184	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#165	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#146	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#122	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#161	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#114	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#168	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#153	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#132	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#179	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#141	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#176	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3I Sampled: 4/19/2017 10:07

Sample ID: 17D0859-02

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#105	ND	1.9	ng/L	1	Z-01	SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#137	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#186	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#127	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#130/#164	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#178	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#138	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#160/#129/#163	ND	5.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#158	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#182/#175	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#187	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#183	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#166	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#159	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl5-BZ#126	ND	1.9	ng/L	1	Z-01	SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#185	2.0	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#128/#162	ND	3.8	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#174	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#202	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#167	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#181	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#177	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#200/#204	ND	5.7	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#171	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#173	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#197	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#172	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#156	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#192	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#157	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#180	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#193	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#199	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#191	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#198	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#201	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#170	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl7-BZ#190	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#196	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#203	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl6-BZ#169	ND	1.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl9-BZ#208	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl9-BZ#207	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran
Sample Description:
Work Order: 17D0859
Date Received: 4/19/2017
Field Sample #: MP-3I
Sampled: 4/19/2017 10:07
Sample ID: 17D0859-02
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl7-BZ#189	ND	1.9	ng/L	1	R-05	SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#195	ND	2.9	ng/L	1	R-05	SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#194	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl8-BZ#205	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl9-BZ#206	ND	2.9	ng/L	1	L-07A	SW846-8270M	4/24/17	5/6/17 6:03	CJM
Cl10-BZ#209	ND	2.9	ng/L	1	L-07A	SW846-8270M	4/24/17	5/6/17 6:03	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Tetrachloro-m-xylene	52.3	40-140		5/6/17 6:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3I Sampled: 4/19/2017 10:07

Sample ID: 17D0859-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Acrylonitrile	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Benzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Bromobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Bromochloromethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Bromodichloromethane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Bromoform	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Bromomethane	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
2-Butanone (MEK)	ND	20000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
tert-Butyl Alcohol (TBA)	ND	20000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
n-Butylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
sec-Butylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
tert-Butylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Carbon Disulfide	ND	4000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Carbon Tetrachloride	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Chlorobenzene	13000	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Chlorodibromomethane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Chloroethane	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Chloroform	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Chloromethane	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
2-Chlorotoluene	3300	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
4-Chlorotoluene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2-Dibromoethane (EDB)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Dibromomethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2-Dichlorobenzene	45000	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,3-Dichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,4-Dichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
trans-1,4-Dichloro-2-butene	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1-Dichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2-Dichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1-Dichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
cis-1,2-Dichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
trans-1,2-Dichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2-Dichloropropane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,3-Dichloropropane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
2,2-Dichloropropane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1-Dichloropropene	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
cis-1,3-Dichloropropene	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
trans-1,3-Dichloropropene	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Diethyl Ether	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-31 Sampled: 4/19/2017 10:07

Sample ID: 17D0859-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,4-Dioxane	ND	50000	µg/L	1000	V-16	SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Ethylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Hexachlorobutadiene	ND	600	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
2-Hexanone (MBK)	ND	10000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Isopropylbenzene (Cumene)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Methyl Acetate	ND	1000	µg/L	1000	L-04	SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Methyl Cyclohexane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Methylene Chloride	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Naphthalene	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
n-Propylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Styrene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1,1,2-Tetrachloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1,2,2-Tetrachloroethane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Tetrachloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Tetrahydrofuran	ND	10000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Toluene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2,3-Trichlorobenzene	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2,4-Trichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,3,5-Trichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1,1-Trichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1,2-Trichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Trichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2,3-Trichloropropane	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,2,4-Trimethylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
1,3,5-Trimethylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
Vinyl Chloride	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
m+p Xylene	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH
o-Xylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.0	70-130		4/25/17 22:10
Toluene-d8	101	70-130		4/25/17 22:10
4-Bromofluorobenzene	98.8	70-130		4/25/17 22:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MP-3I Sampled: 4/19/2017 10:07

Sample ID: 17D0859-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1221 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1232 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1242 [2]	0.33	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1248 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1254 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1260 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1262 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL
Aroclor-1268 [1]	ND	0.18	µg/L	1		SW-846 8082A	4/21/17	4/24/17 16:55	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.6	30-150		4/24/17 16:55
Decachlorobiphenyl [2]	56.4	30-150		4/24/17 16:55
Tetrachloro-m-xylene [1]	63.6	30-150		4/24/17 16:55
Tetrachloro-m-xylene [2]	66.3	30-150		4/24/17 16:55

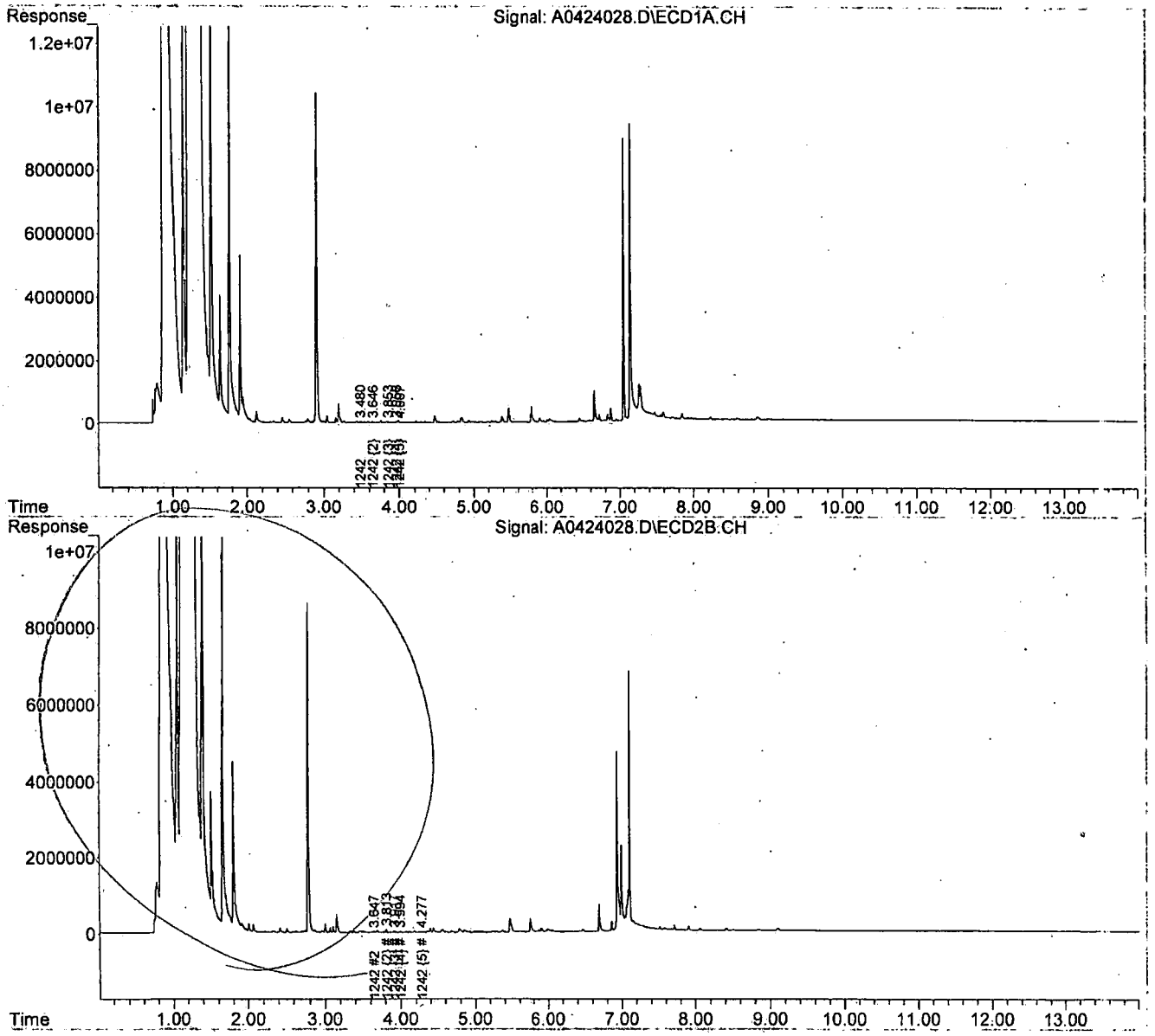
MP-3I

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Apr 2017 4:55 pm
Operator : JMB
Sample : 17D0859-02@TBA Inst : HP G1530A
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 25 13:04:08 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1242-041917C.M
Quant Title : 1242 04/19/17 03/09/17 ICAL 1700139
QLast Update : Thu Apr 20 12:27:17 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl1-BZ#1	200	98	ng/L	100		SW846-8270M	4/24/17	5/6/17 2:30	CJM
Cl1-BZ#2	22	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl1-BZ#3	8.3	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#4/#10	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#9	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#7	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#6	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#5	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#8	1.3	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#19	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#14	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#30	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#18	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#11	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#17	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#12	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#27	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#13	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#24	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#16	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#32	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl2-BZ#15	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#34	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#54	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#23	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#29	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#50	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#26	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#25	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#53	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#31	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#28	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#33/#21/#20	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#51	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#45	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#22	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#46	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#73	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#69	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#43	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#36	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#52	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#48	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#49	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM

232.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#104	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#47/#65/#62	ND	5.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#75	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#39	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#38	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#44	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#59	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#42	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#71	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#35	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#41	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#96	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#72	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#103	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#64	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#40/#68	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl3-BZ#37	ND	0.98	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#100	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#94	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#57	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#67/#58	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#102	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#61	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#98	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#93	ND	5.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#76	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#63	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#88/#95	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#121	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#74	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#155	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#70	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#91	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#66	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#80/#55	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#92	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#89/#84	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#56	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#90/#101	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#113	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#60	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#99	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#150	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#152	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#119/#83	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#125/#112/#86	ND	5.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#109	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#145	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#97	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#148	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#79	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#116	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#87	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#78	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#154/#136	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#111/#117/#115	ND	5.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#85	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#120/#110	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#81	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#151	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#135	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#82	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#144	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#147/#149	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl4-BZ#77	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#143/#139	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#140	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#124	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#108	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#123/#107	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#188	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#134	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#106	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#142	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#133/#131	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#118	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#184	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#165	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#146	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#122	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#161	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#114	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#168	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#153	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#132	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#179	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#141	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#176	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#105	ND	2.0	ng/L	1	Z-01	SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#137	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#186	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#127	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#130/#164	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#178	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#138	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#160/#129/#163	ND	5.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#158	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#182/#175	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#187	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#183	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#166	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#159	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl5-BZ#126	ND	2.0	ng/L	1	Z-01	SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#185	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#128/#162	ND	3.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#174	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#202	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#167	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#181	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#177	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#200/#204	ND	5.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#171	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#173	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#197	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#172	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#156	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#192	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#157	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#180	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#193	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#199	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#191	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#198	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#201	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#170	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl7-BZ#190	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#196	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#203	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl6-BZ#169	ND	2.0	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl9-BZ#208	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl9-BZ#207	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl7-BZ#189	ND	2.0	ng/L	1	R-05	SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#195	ND	2.9	ng/L	1	R-05	SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#194	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl8-BZ#205	ND	2.9	ng/L	1		SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl9-BZ#206	ND	2.9	ng/L	1	L-07A	SW846-8270M	4/24/17	5/6/17 7:49	CJM
Cl10-BZ#209	ND	2.9	ng/L	1	L-07A	SW846-8270M	4/24/17	5/6/17 7:49	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Tetrachloro-m-xylene	93.1	40-140		5/6/17 7:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Acrylonitrile	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Benzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Bromoform	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Bromomethane	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Carbon Disulfide	ND	20	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Chlorobenzene	270	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Chloroethane	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Chloroform	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Chloromethane	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
2-Chlorotoluene	28	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
cis-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Diethyl Ether	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,4-Dioxane	ND	250	µg/L	5	V-16	SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Hexachlorobutadiene	ND	3.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Methyl Acetate	ND	5.0	µg/L	5	L-04	SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Methyl Cyclohexane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Methylene Chloride	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Naphthalene	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Styrene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Tetrachloroethylene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Toluene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Trichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
m+p Xylene	ND	10	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH
o-Xylene	ND	5.0	µg/L	5		SW-846 8260C	4/25/17	4/25/17 23:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		4/25/17. 23:30
Toluene-d8	99.9	70-130		4/25/17 23:30
4-Bromofluorobenzene	104	70-130		4/25/17 23:30

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102S Sampled: 4/19/2017 11:05

Sample ID: 17D0859-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.3	30-150		4/24/17 17:13
Decachlorobiphenyl [2]	78.1	30-150		4/24/17 17:13
Tetrachloro-m-xylene [1]	78.4	30-150		4/24/17 17:13
Tetrachloro-m-xylene [2]	79.5	30-150		4/24/17 17:13

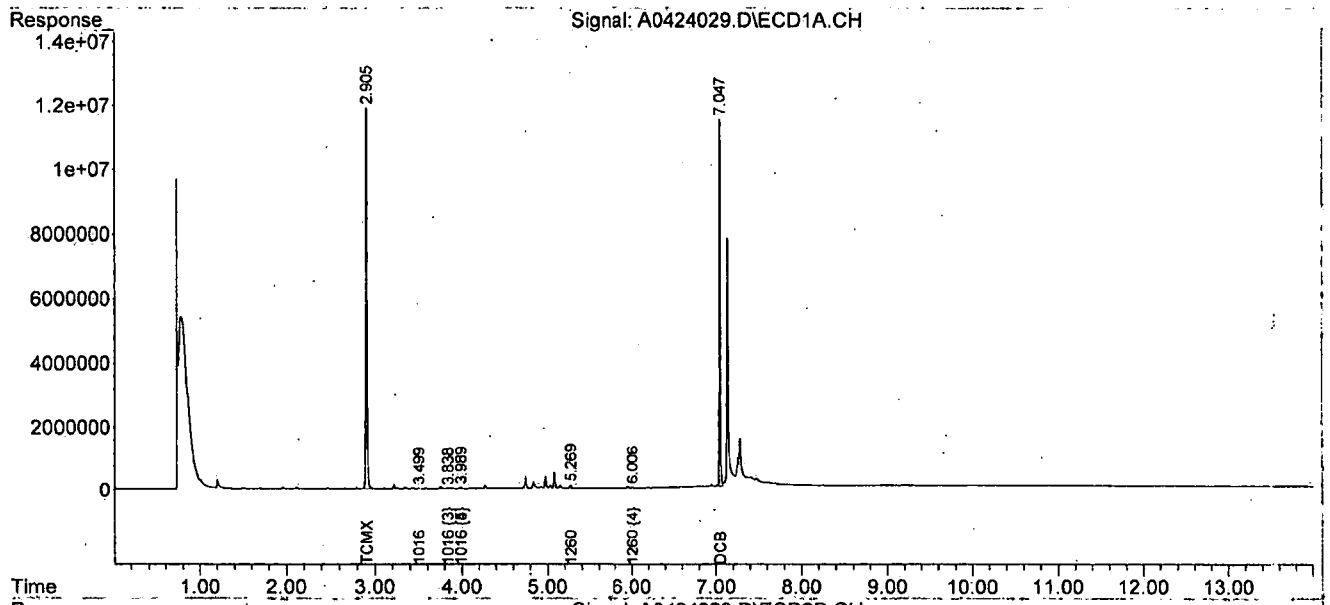
MW-1025

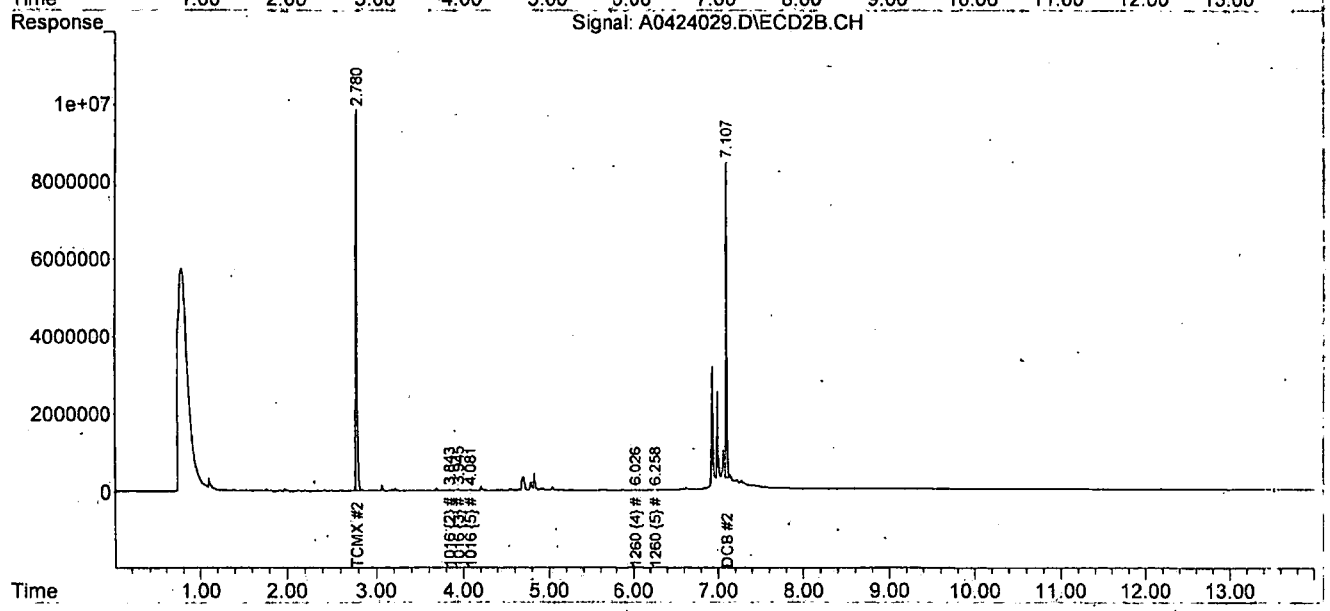
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Apr 2017 5:13 pm
Operator : JMB
Sample : 17D0859-03@TBA Inst : HP G1530A
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 25 13:06:40 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-041917C.M
Quant Title : 1260/1016 04/19/17 03/10/17 ICAL 1700139
QLast Update : Thu Apr 20 12:17:44 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102D Sampled: 4/19/2017 12:25

Sample ID: 17D0859-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/25/17 10:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	48.9	30-150		4/25/17 10:53
Decachlorobiphenyl [2]	47.5	30-150		4/25/17 10:53
Tetrachloro-m-xylene [1]	52.1	30-150		4/25/17 10:53
Tetrachloro-m-xylene [2]	53.3	30-150		4/25/17 10:53

Likely some PCBs if congeners analyzed.

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-34S Sampled: 4/19/2017 14:00

Sample ID: 17D0859-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Acrylonitrile	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Benzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Bromoform	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Bromomethane	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Carbon Disulfide	ND	16	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Chlorobenzene	77	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Chloroethane	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Chloroform	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Chloromethane	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
2-Chlorotoluene	230	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
4-Chlorotoluene	7.5	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2-Dichlorobenzene	22	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
2,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102D Sampled: 4/19/2017 12:25

Sample ID: 17D0859-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Acrylonitrile	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
tert-Amyl Methyl Ether (TAME)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Benzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Bromobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Bromochloromethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Bromodichloromethane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Bromoform	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Bromomethane	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
2-Butanone (MEK)	ND	20000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
tert-Butyl Alcohol (TBA)	ND	20000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
n-Butylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
sec-Butylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
tert-Butylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Carbon Disulfide	ND	4000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Carbon Tetrachloride	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Chlorobenzene	4400	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Chlorodibromomethane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Chloroethane	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Chloroform	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Chloromethane	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
2-Chlorotoluene	44000	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
4-Chlorotoluene	3100	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2-Dibromoethane (EDB)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Dibromomethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2-Dichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,3-Dichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,4-Dichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
trans-1,4-Dichloro-2-butene	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1-Dichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2-Dichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1-Dichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
cis-1,2-Dichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
trans-1,2-Dichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2-Dichloropropane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,3-Dichloropropane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
2,2-Dichloropropane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1-Dichloropropene	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
cis-1,3-Dichloropropene	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
trans-1,3-Dichloropropene	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Diethyl Ether	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-102D Sampled: 4/19/2017 12:25

Sample ID: 17D0859-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,4-Dioxane	ND	50000	µg/L	1000	V-16	SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Ethylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Hexachlorobutadiene	ND	600	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
2-Hexanone (MBK)	ND	10000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Isopropylbenzene (Cumene)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Methyl Acetate	ND	1000	µg/L	1000	L-04	SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Methyl Cyclohexane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Methylene Chloride	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Naphthalene	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
n-Propylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Styrene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1,1,2-Tetrachloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1,2,2-Tetrachloroethane	ND	500	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Tetrachloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Tetrahydrofuran	ND	10000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Toluene	16000	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2,3-Trichlorobenzene	ND	5000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2,4-Trichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,3,5-Trichlorobenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1,1-Trichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1,2-Trichloroethane	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Trichloroethylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2,3-Trichloropropane	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,2,4-Trimethylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
1,3,5-Trimethylbenzene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
Vinyl Chloride	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
m+p Xylene	ND	2000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH
o-Xylene	ND	1000	µg/L	1000		SW-846 8260C	4/25/17	4/25/17 22:37	EEH

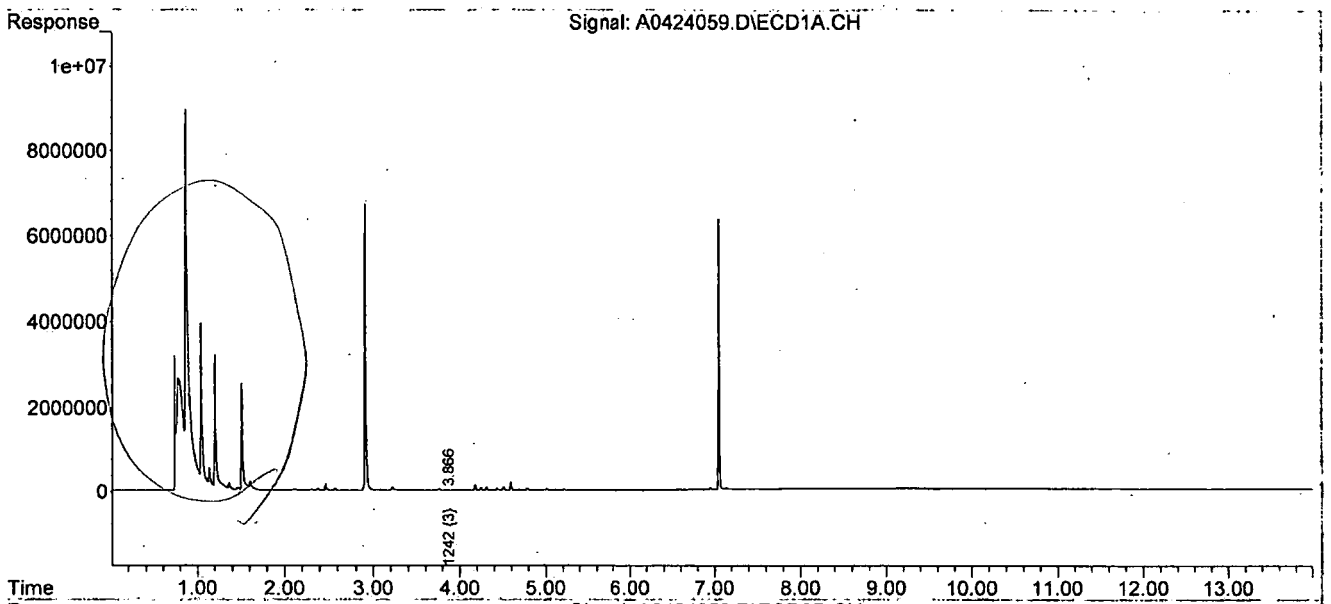
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.3	70-130		4/25/17 22:37
Toluene-d8	100	70-130		4/25/17 22:37
4-Bromofluorobenzene	101	70-130		4/25/17 22:37

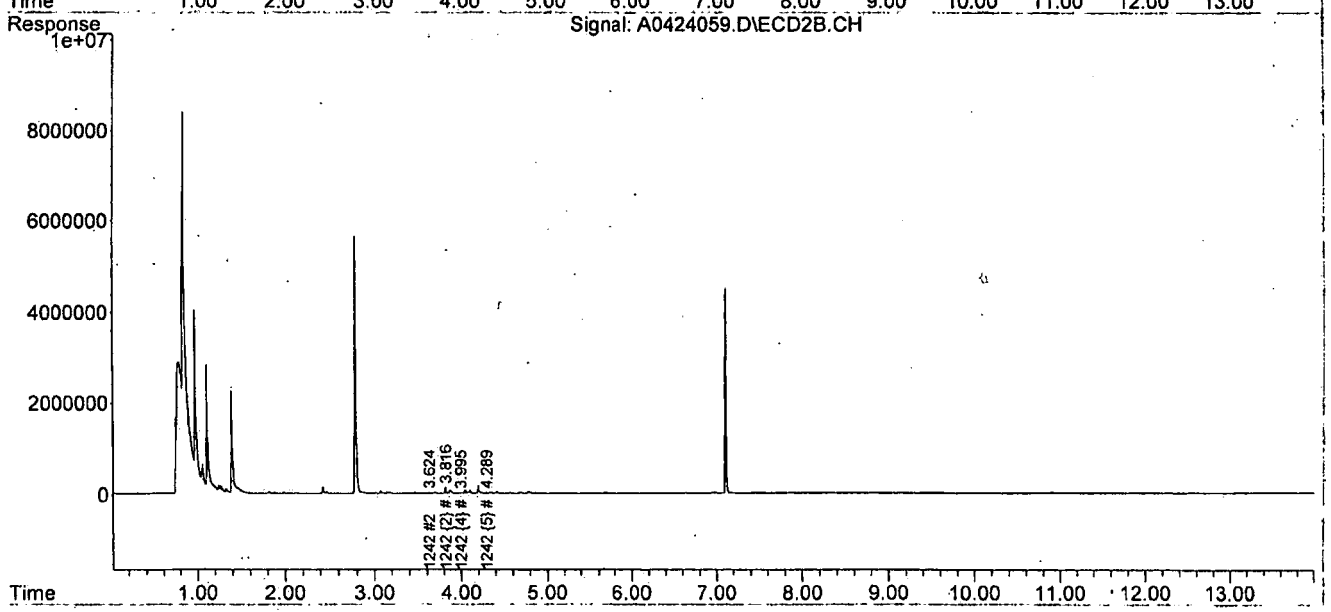
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424059.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Apr 2017 10:53 am
Operator : JMB
Sample : 17D0859-04@TBA 5CU Inst : HP G1530A
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 25 12:18:28 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1242-041917C.M
Quant Title : 1242 04/19/17 03/09/17 ICAL 1700139
QLast Update : Thu Apr 20 12:27:17 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-34S Sampled: 4/19/2017 14:00

Sample ID: 17D0859-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1242 [2]	0.35	0.20	µg/L	1	P-01	SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/24/17 17:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.0	30-150		4/24/17 17:50
Decachlorobiphenyl [2]	54.5	30-150		4/24/17 17:50
Tetrachloro-m-xylene [1]	77.8	30-150		4/24/17 17:50
Tetrachloro-m-xylene [2]	78.2	30-150		4/24/17 17:50

0.35 Av 242

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-34S Sampled: 4/19/2017 14:00

Sample ID: 17D0859-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,4-Dioxane	ND	200	µg/L	4	V-16	SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Hexachlorobutadiene	ND	2.4	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Methyl Acetate	ND	4.0	µg/L	4	L-04	SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Methylene Chloride	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Naphthalene	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Styrene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Tetrachloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Toluene	11	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Trichloroethylene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH
o-Xylene	11	4.0	µg/L	4		SW-846 8260C	4/25/17	4/25/17 23:57	EEH

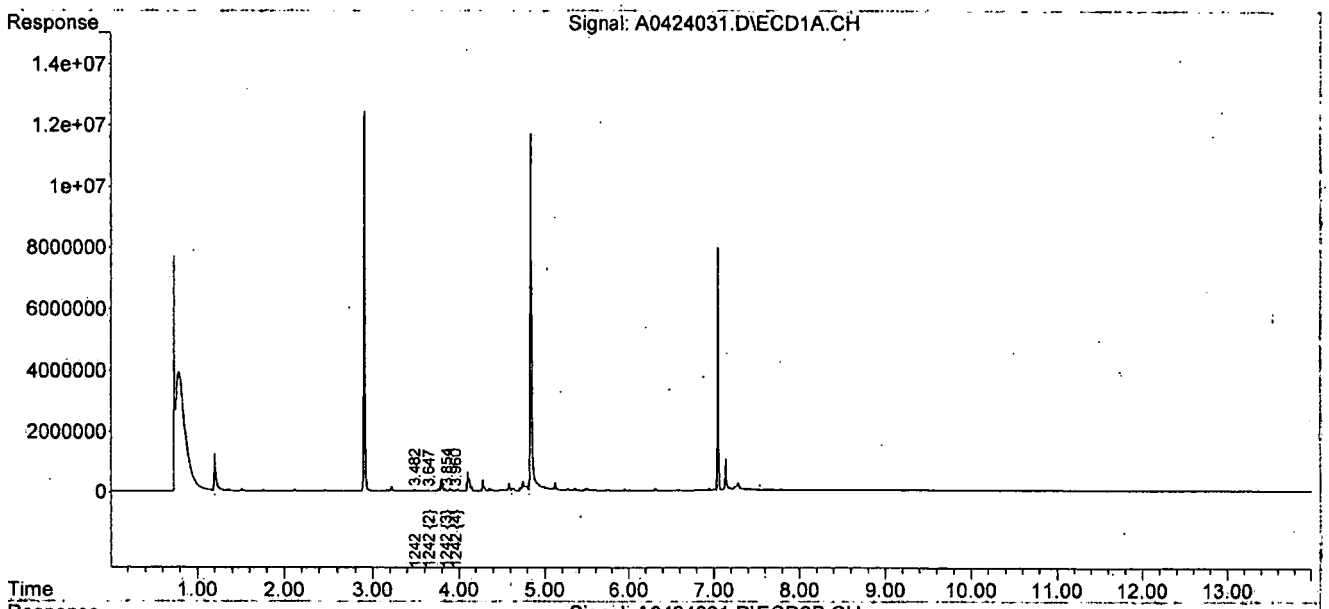
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		4/25/17 23:57
Toluene-d8	99.4	70-130		4/25/17 23:57
4-Bromofluorobenzene	100	70-130		4/25/17 23:57

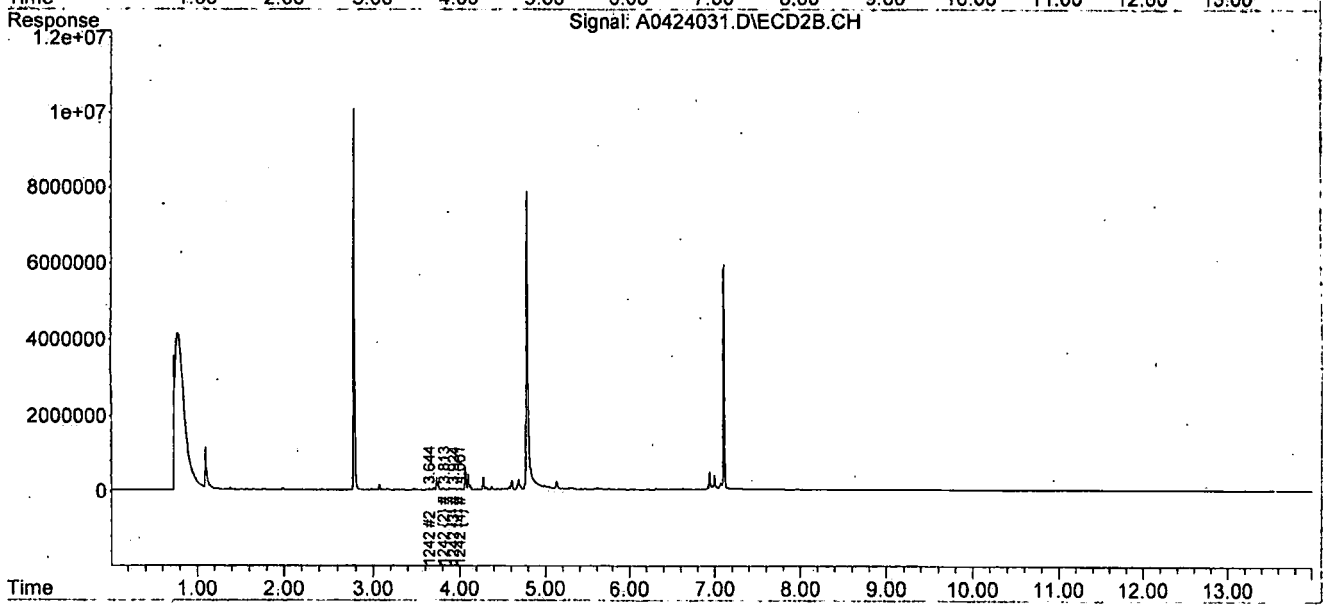
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Apr 2017 5:50 pm
Operator : JMB
Sample : 17D0859-05@TBA Inst : HP G1530A
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 25 13:24:57 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1242-041917C.M
Quant Title : 1242 04/19/17 03/09/17 ICAL 1700139
QLast Update : Thu Apr 20 12:27:17 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-34D Sampled: 4/19/2017 15:30

Sample ID: 17D0859-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	4/21/17	4/24/17 18:08	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.5	30-150		4/24/17 18:08
Decachlorobiphenyl [2]	80.2	30-150		4/24/17 18:08
Tetrachloro-m-xylene [1]	78.3	30-150		4/24/17 18:08
Tetrachloro-m-xylene [2]	79.1	30-150		4/24/17 18:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-34D Sampled: 4/19/2017 15:30

Sample ID: 17D0859-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: BASF Cranston, 180 Mill St. Cran Sample Description: Work Order: 17D0859

Date Received: 4/19/2017

Field Sample #: MW-34D Sampled: 4/19/2017 15:30

Sample ID: 17D0859-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Methyl Acetate	ND	1.0	µg/L	1	L-04	SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/25/17	4/25/17 19:56	EEH

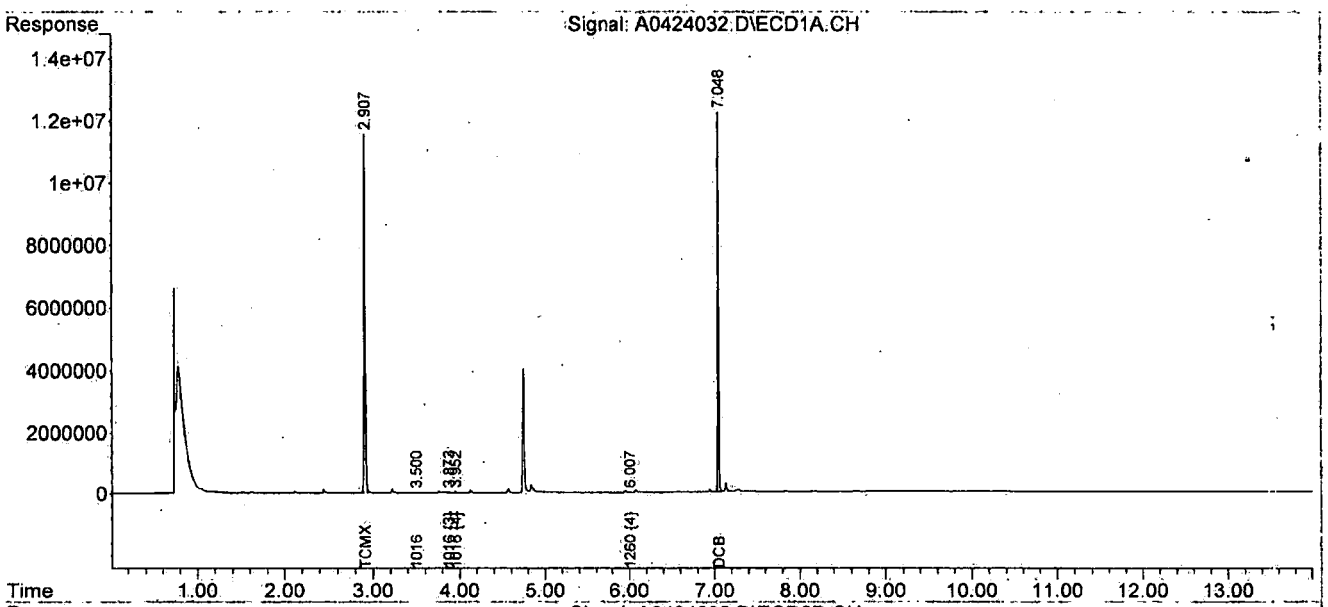
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.3	70-130		4/25/17 19:56
Toluene-d8	101	70-130		4/25/17 19:56
4-Bromofluorobenzene	102	70-130		4/25/17 19:56

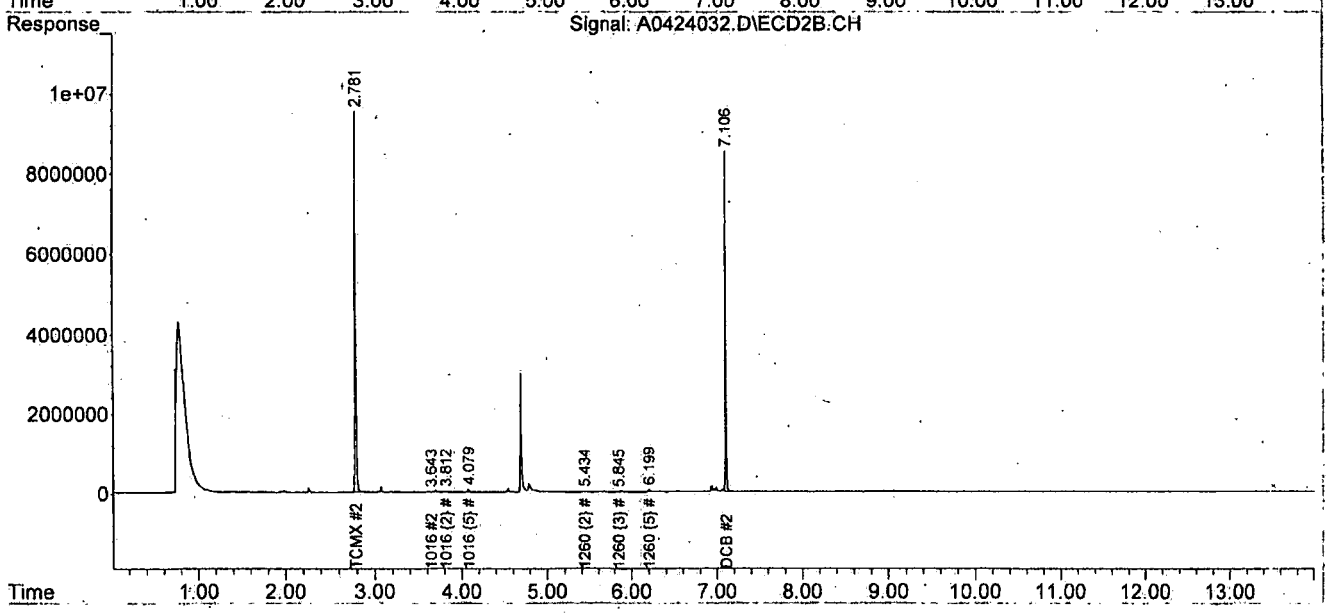
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Apr 2017 6:08 pm
Operator : JMB
Sample : 17D0859-06@TBA Inst : HP G1530A
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 25 08:05:49 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-041917C.M
Quant Title : 1260/1016 04/19/17 03/10/17 ICAL 1700139
QLast Update : Thu Apr 20 12:17:44 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0.13 ppb congeners
<0.2 ppb Ar

Table of Contents

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-12S
Sampled: 4/20/2017 09:15
Sample ID: 17D0925-01
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl1-BZ#1	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl1-BZ#2	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl1-BZ#3	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#4/#10	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#9	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#7	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#6	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#5	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#8	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#19	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#14	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#30	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#18	2.0	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#11	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#17	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#12	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#27	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#13	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#24	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#16	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#32	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl2-BZ#15	1.3	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#34	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#54	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#23	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#29	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#50	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#26	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#25	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#53	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#31	1.5	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#28	1.3	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#33/#21/#20	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#51	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#45	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#22	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#46	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#73	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#69	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#43	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#36	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#52	18	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#48	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#49	3.3	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-12S
Sampled: 4/20/2017 09:15
Sample ID: 17D0925-01
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#104	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#47/#65/#62	ND	6.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#75	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#39	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#38	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#44	8.2	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#59	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#42	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#71	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#35	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#41	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#96	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#72	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#103	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#64	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#40/#68	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl3-BZ#37	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#100	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#94	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#57	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#67/#58	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#102	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#61	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#98	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#93	ND	6.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#76	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#63	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#88/#95	13	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#121	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#74	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#155	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#70	5.6	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#91	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#66	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#80/#55	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#92	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#89/#84	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#56	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#90/#101	13	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#113	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#60	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#99	2.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#150	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#152	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM

425

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI Sample Description: Work Order: 17D0925

Date Received: 4/20/2017

Field Sample #: MW-12S Sampled: 4/20/2017 09:15

Sample ID: 17D0925-01

Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#119/#83	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#125/#112/#86	ND	6.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#109	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#145	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#97	2.8	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#148	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#79	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#116	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#87	4.0	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#78	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#154/#136	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#111/#117/#115	ND	6.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#85	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#120/#110	8.9	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#81	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#151	3.2	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#135	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#82	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#144	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#147/#149	8.8	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl4-BZ#77	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#143/#139	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#140	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#124	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#108	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#123/#107	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#188	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#134	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#106	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#142	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#133/#131	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#118	5.2	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#184	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#165	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#146	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#122	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#161	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#114	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#168	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#153	8.8	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#132	3.1	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#179	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#141	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#176	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-12S
Sampled: 4/20/2017 09:15
Sample ID: 17D0925-01
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#105	ND	2.2	ng/L	1	Z-01	SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#137	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#186	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#127	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#130/#164	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#178	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#138	5.8	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#160/#129/#163	ND	6.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#158	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#182/#175	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#187	2.8	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#183	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#166	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#159	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl5-BZ#126	ND	2.2	ng/L	1	Z-01	SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#185	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#128/#162	ND	4.3	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#174	2.4	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#202	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#167	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#181	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#177	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#200/#204	ND	6.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#171	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#173	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#197	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#172	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#156	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#192	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#157	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#180	4.8	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#193	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#199	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#191	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#198	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#201	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#170	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl7-BZ#190	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#196	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#203	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl6-BZ#169	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl9-BZ#208	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl9-BZ#207	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM

15.8

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-12S
Sampled: 4/20/2017 09:15
Sample ID: 17D0925-01
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl7-BZ#189	ND	2.2	ng/L	1	R-05	SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#195	ND	3.2	ng/L	1	R-05	SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#194	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl8-BZ#205	ND	3.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl9-BZ#206	ND	3.2	ng/L	1	L-07A	SW846-8270M	4/24/17	5/5/17 19:24	CJM
Cl10-BZ#209	ND	3.2	ng/L	1	L-07A	SW846-8270M	4/24/17	5/5/17 19:24	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Tetrachloro-m-xylene	83.2	40-140		5/5/17 19:24

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-12S
Sampled: 4/20/2017 09:15
Sample ID: 17D0925-01
Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 11:40	JMB

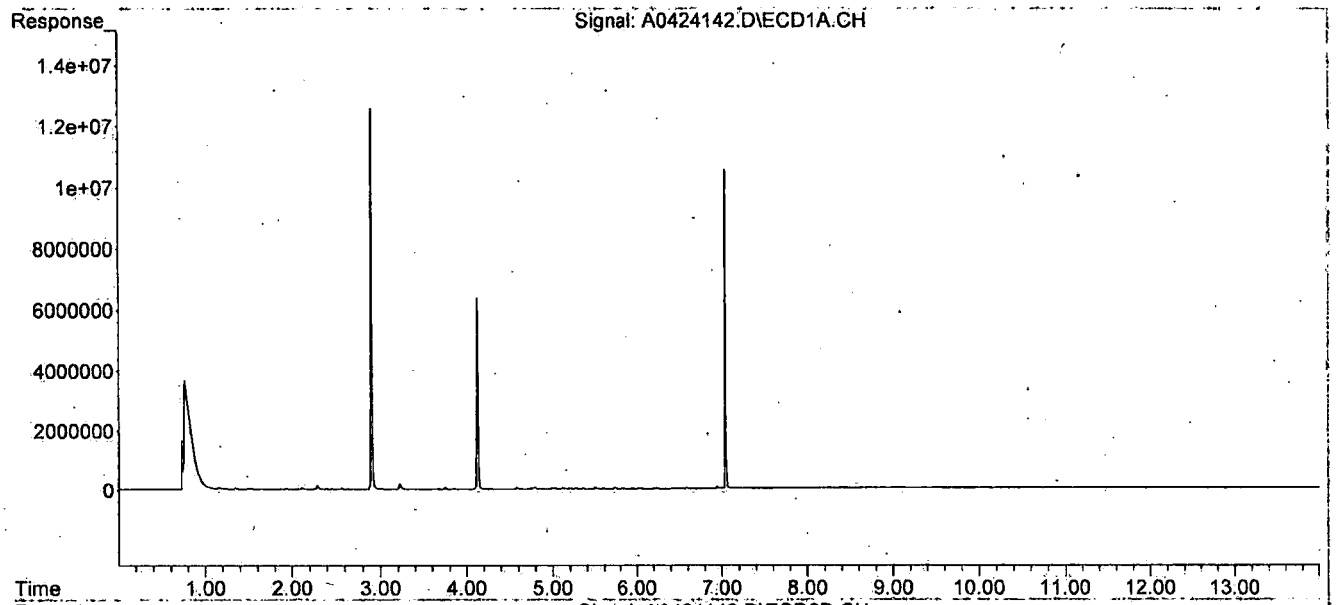
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		4/26/17 11:40
Decachlorobiphenyl [2]	80.0	30-150		4/26/17 11:40
Tetrachloro-m-xylene [1]	92.9	30-150		4/26/17 11:40
Tetrachloro-m-xylene [2]	94.7	30-150		4/26/17 11:40

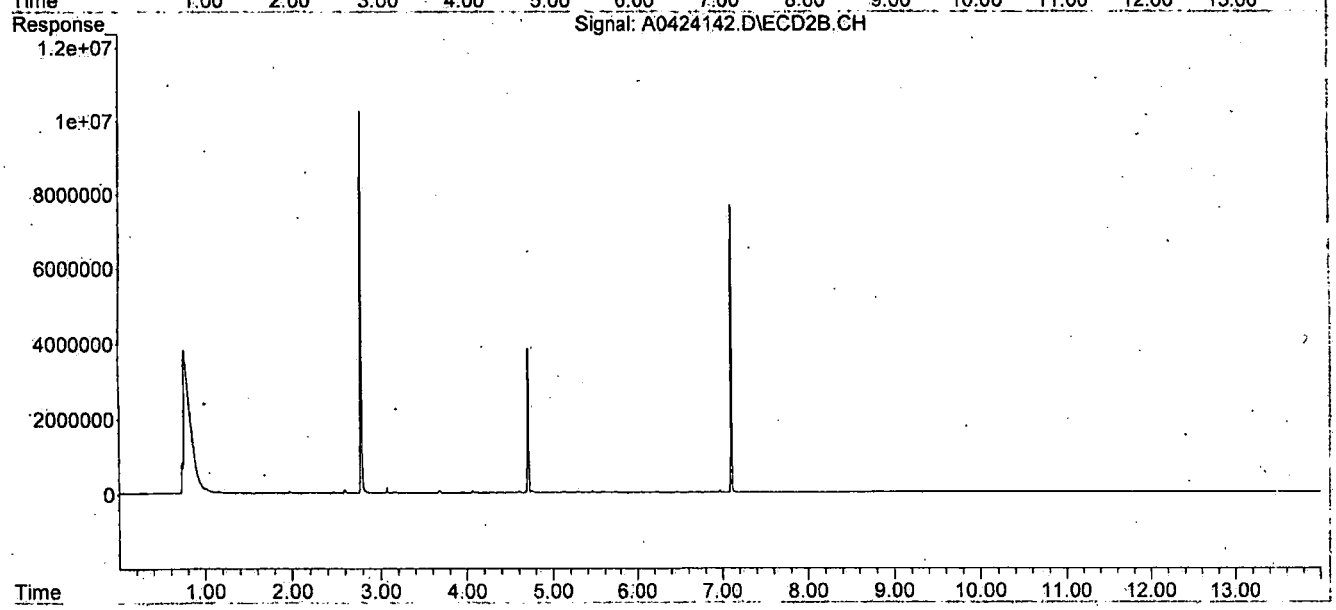
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Apr 2017 11:40 am
Operator : JMB
Sample : 17D0925-01 Inst : HP G1530A
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 27 11:38:02 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-041917C.M
Quant Title : 1254 04/19/17 01/14/17 ICAL 1700139
QLast Update : Thu Apr 20 12:20:24 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





con-test® ANALYTICAL LABORATORY

40.00 ppb Av

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925

Date Received: 4/20/2017

Field Sample #: DUP-1
Sampled: 4/20/2017 00:00

Sample ID: 17D0925-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.0	30-150		4/26/17 15:28
Decachlorobiphenyl [2]	75.4	30-150		4/26/17 15:28
Tetrachloro-m-xylene [1]	84.0	30-150		4/26/17 15:28
Tetrachloro-m-xylene [2]	87.4	30-150		4/26/17 15:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl1-BZ#1	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl1-BZ#2	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl1-BZ#3	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#4/#10	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#9	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#7	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#6	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#5	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#8	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#19	5.7	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#14	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#30	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#18	8.2	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#11	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#17	6.5	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#12	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#27	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#13	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#24	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#16	2.0	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#32	7.6	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#15	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#34	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#54	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#23	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#29	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#50	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#26	1.3	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#25	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#53	3.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#31	5.4	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#28	12	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#33/#21/#20	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#51	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#45	2.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#22	1.4	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#46	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#73	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#69	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#43	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#36	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#52	20	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#48	2.6	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#49	12	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM

91.1

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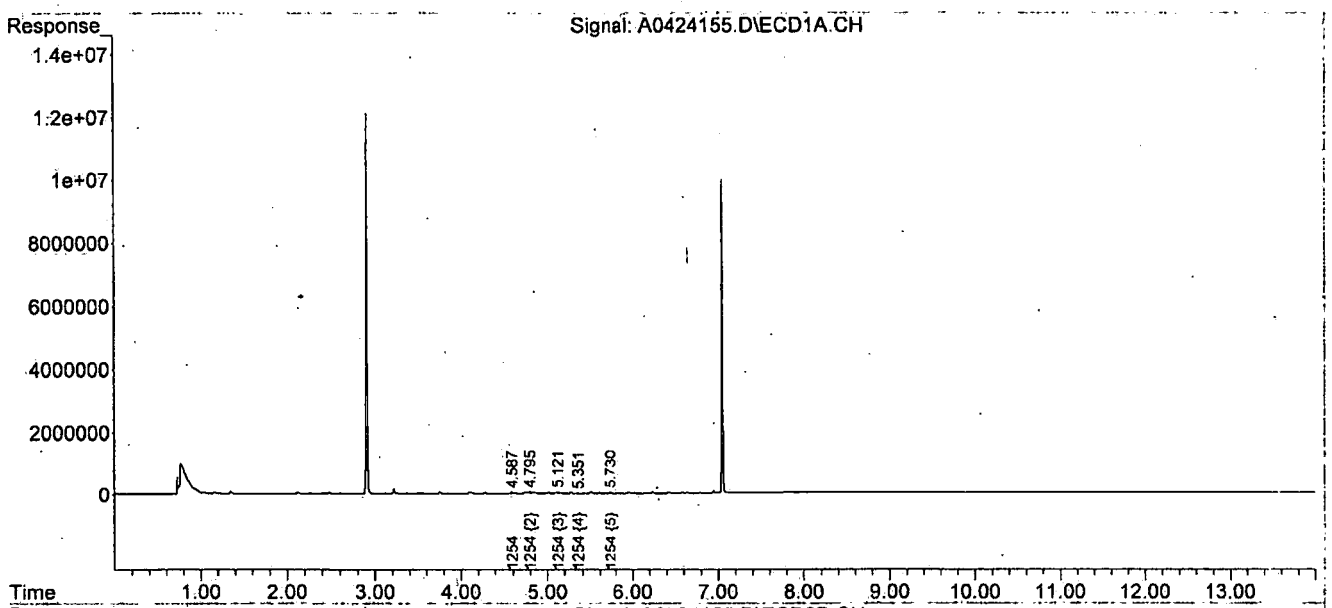
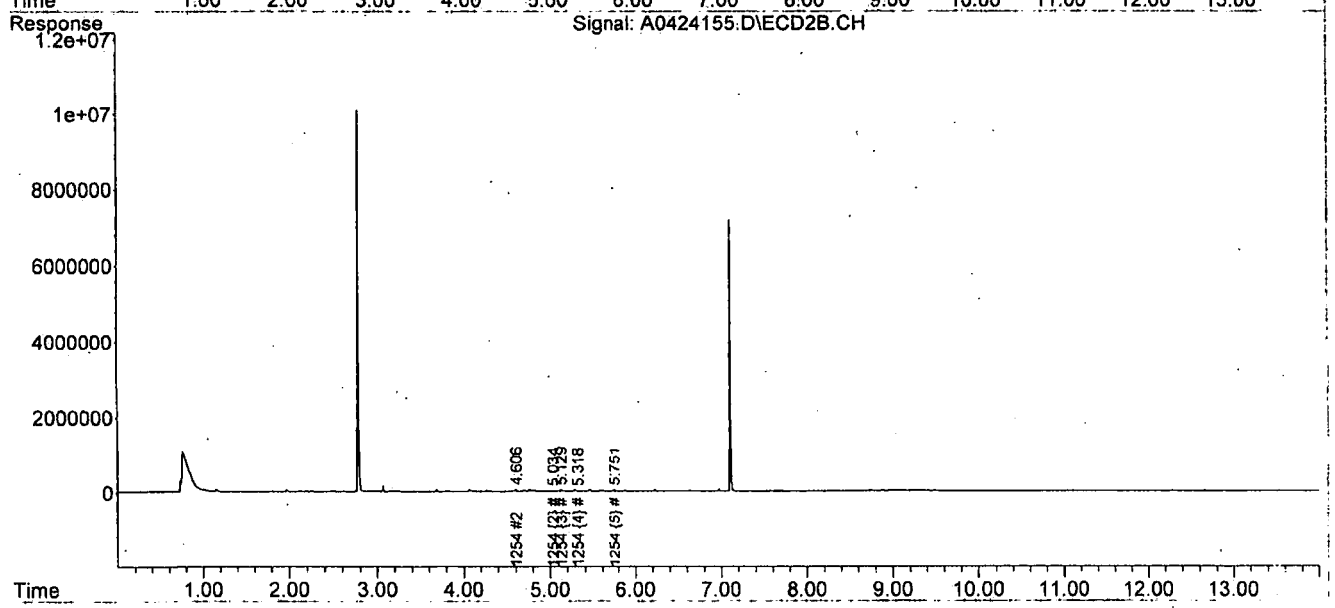
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424155.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Apr 2017 3:28 pm
Operator : JMB
Sample : 17D0925-02@TBA Inst : HP G1530A
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 27 04:53:00 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-041917C.M
Quant Title : 1254 04/19/17 01/14/17 ICAL 1700139
QLast Update : Thu Apr 20 12:20:24 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-31D
Sampled: 4/20/2017 14:10
Sample ID: 17D0925-05
Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1221 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1232 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1242 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1248 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1254 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1260 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1262 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB
Aroclor-1268 [1]	ND	0.23	µg/L	1		SW-846 8082A	4/21/17	4/26/17 16:04	JMB

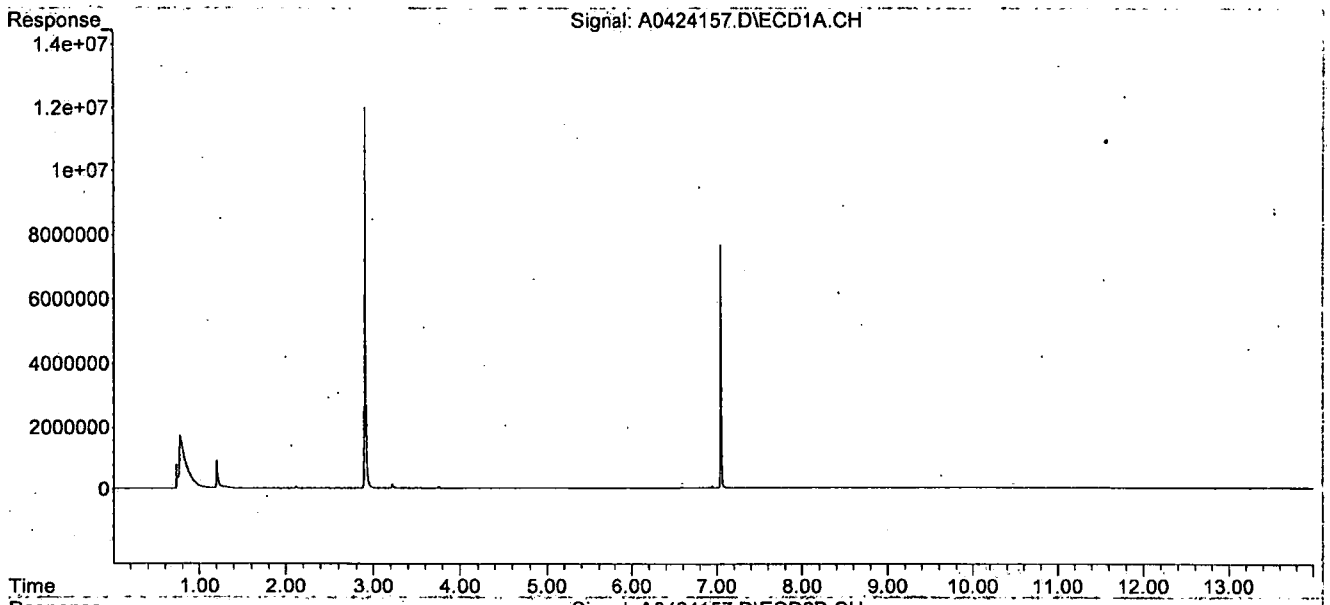
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.3	30-150		4/26/17 16:04
Decachlorobiphenyl [2]	59.6	30-150		4/26/17 16:04
Tetrachloro-m-xylene [1]	94.7	30-150		4/26/17 16:04
Tetrachloro-m-xylene [2]	100	30-150		4/26/17 16:04

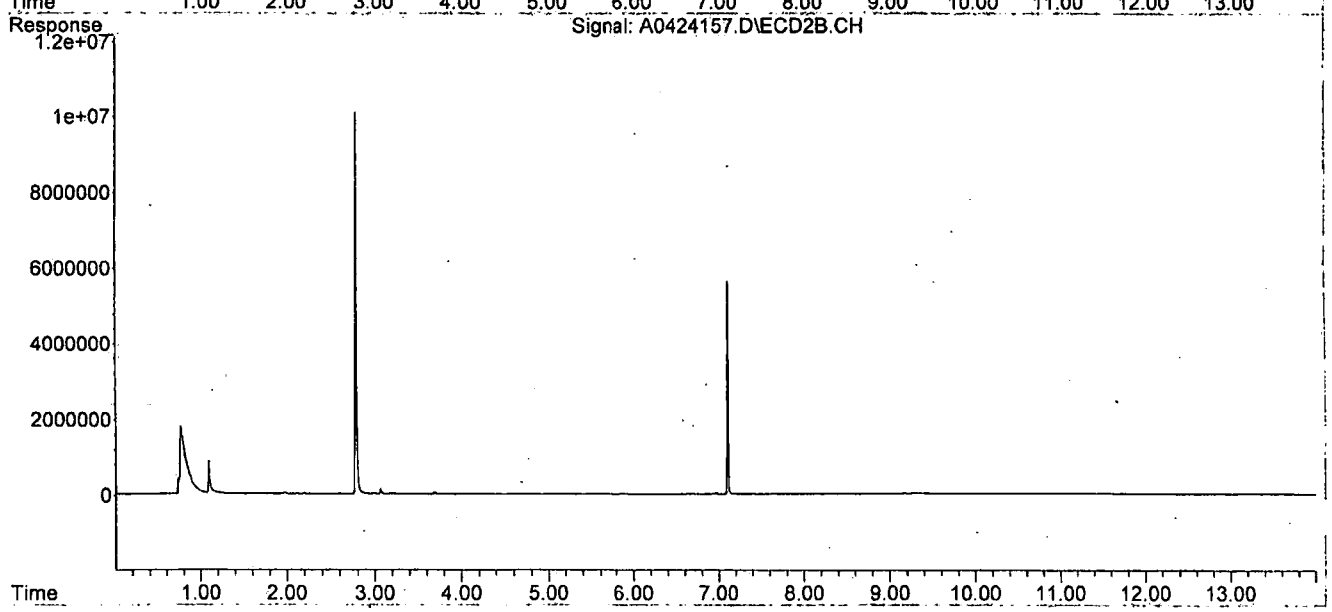
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424157.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Apr 2017 4:04 pm
Operator : JMB
Sample : 17D0925-05@TBA Inst : HP G1530A
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 27 04:53:04 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-041917C.M
Quant Title : 1254 04/19/17 01/14/17 ICAL 1700139
QLast Update : Thu Apr 20 12:20:24 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0.14 ppb Longevers
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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl1-BZ#1	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl1-BZ#2	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl1-BZ#3	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#4/#10	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#9	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#7	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#6	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#5	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#8	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#19	5.7	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#14	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#30	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#18	8.2	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#11	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#17	6.5	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#12	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#27	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#13	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#24	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#16	2.0	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#32	7.6	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl2-BZ#15	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#34	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#54	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#23	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#29	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#50	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#26	1.3	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#25	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#53	3.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#31	5.4	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#28	12	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#33/#21/#20	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#51	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#45	2.7	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#22	1.4	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#46	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#73	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#69	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#43	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#36	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#52	20	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#48	2.6	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#49	12	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM

91.1

0.14 ppb congeners
<0.22 Av

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#104	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#47/#65/#62	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#75	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#39	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#38	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#44	15	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#59	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#42	5.1	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#71	4.3	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#35	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#41	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#96	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#72	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#103	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#64	7.0	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#40/#68	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl3-BZ#37	ND	1.1	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#100	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#94	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#57	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#67/#58	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#102	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#61	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#98	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#93	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#76	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#63	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#88/#95	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#121	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#74	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#155	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#70	6.6	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#91	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#66	7.4	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#80/#55	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#92	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#89/#84	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#56	2.6	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#90/#101	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#113	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#60	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#99	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#150	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#152	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM

46.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#119/#83	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#125/#112/#86	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#109	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#145	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#97	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#148	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#79	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#116	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#87	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#78	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#154/#136	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#111/#117/#115	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#85	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#120/#110	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#81	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#151	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#135	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#82	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#144	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#147/#149	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl4-BZ#77	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#143/#139	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#140	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#124	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#108	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#123/#107	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#188	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#134	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#106	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#142	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#133/#131	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#118	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#184	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#165	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#146	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#122	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#161	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#114	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#168	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#153	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#132	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#179	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#141	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#176	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl5-BZ#105	ND	2.2	ng/L	1	Z-01	SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#137	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#186	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#127	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#130/#164	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#178	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#138	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#160/#129/#163	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#158	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#182/#175	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#187	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#183	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#166	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#159	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl5-BZ#126	ND	2.2	ng/L	1	Z-01	SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#185	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#128/#162	ND	4.5	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#174	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#202	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#167	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#181	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#177	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#200/#204	ND	6.7	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#171	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#173	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#197	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#172	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#156	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#192	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#157	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#180	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#193	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#199	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#191	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#198	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#201	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#170	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl7-BZ#190	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#196	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#203	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl6-BZ#169	ND	2.2	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl9-BZ#208	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl9-BZ#207	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

***** DEFAULT GENERAL METHOD *****

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cl7-BZ#189	ND	2.2	ng/L	1	R-05	SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#195	ND	3.4	ng/L	1	R-05	SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#194	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl8-BZ#205	ND	3.4	ng/L	1		SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl9-BZ#206	ND	3.4	ng/L	1	L-07A	SW846-8270M	4/24/17	5/5/17 21:10	CJM
Cl10-BZ#209	ND	3.4	ng/L	1	L-07A	SW846-8270M	4/24/17	5/5/17 21:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Tetrachloro-m-xylene	79.9	40-140		5/5/17 21:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925
Date Received: 4/20/2017
Field Sample #: MW-2S
Sampled: 4/20/2017 11:05
Sample ID: 17D0925-03
Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 15:46	JMB

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**169**	*	30-150	S-13	4/26/17 15:46
Decachlorobiphenyl [2]	**165**	*	30-150	S-13	4/26/17 15:46
Tetrachloro-m-xylene [1]	**182**	*	30-150	S-13	4/26/17 15:46
Tetrachloro-m-xylene [2]	**184**	*	30-150	S-13	4/26/17 15:46

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925

Date Received: 4/20/2017

Field Sample #: MW-31S
Sampled: 4/20/2017 12:45

Sample ID: 17D0925-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB

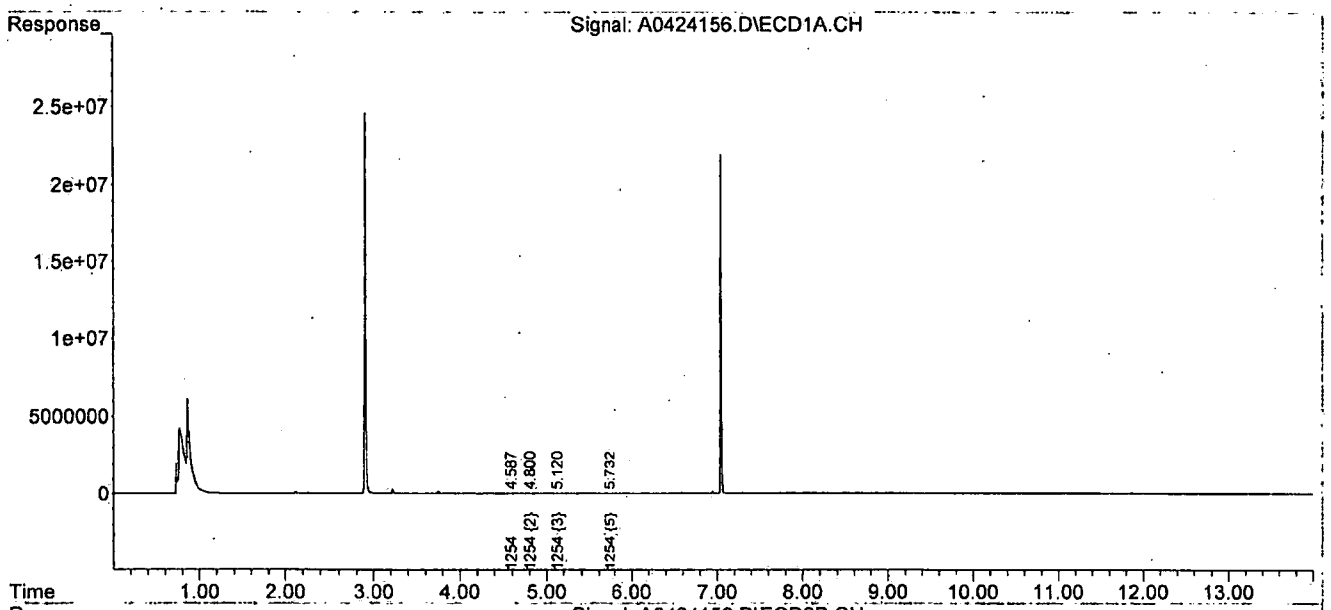
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		4/26/17 12:34
Decachlorobiphenyl [2]	91.6	30-150		4/26/17 12:34
Tetrachloro-m-xylene [1]	96.4	30-150		4/26/17 12:34
Tetrachloro-m-xylene [2]	98.1	30-150		4/26/17 12:34

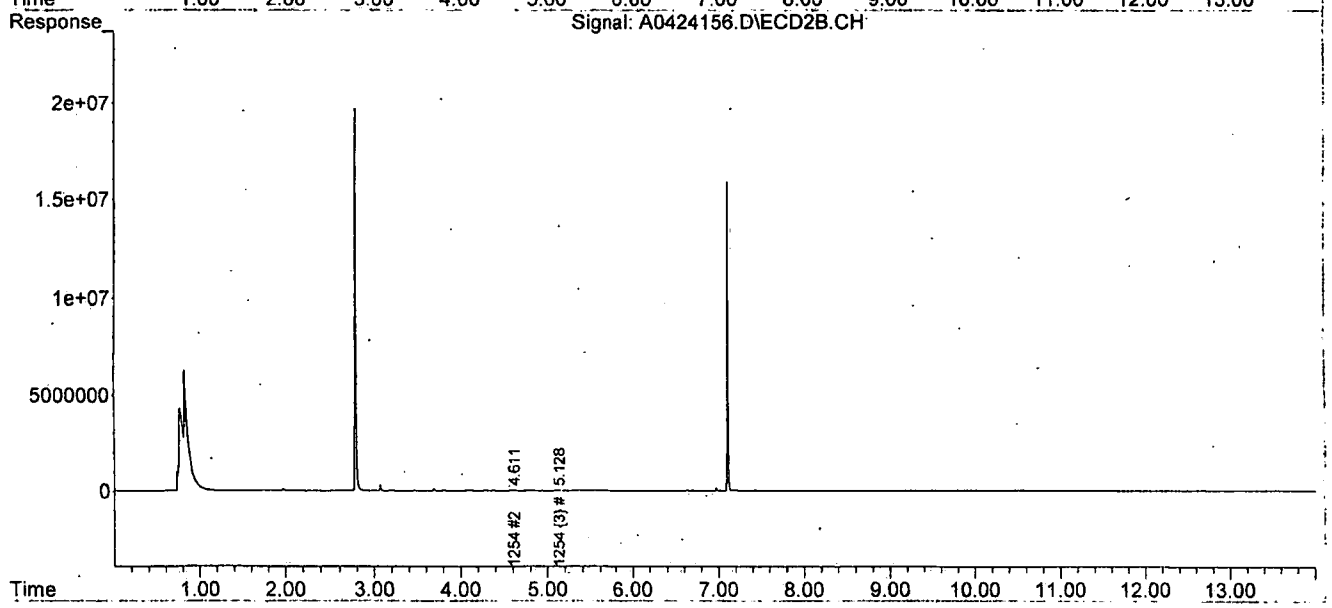
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424156.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Apr 2017 3:46 pm
Operator : JMB
Sample : 17D0925-03@TBA Inst : HP G1530A
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 27 04:53:02 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-041917C.M
Quant Title : 1254 04/19/17 01/14/17 ICAL 1700139
QLast Update : Thu Apr 20 12:20:24 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 180 Mill St. Cranston, RI
Sample Description:
Work Order: 17D0925

Date Received: 4/20/2017

Field Sample #: MW-31S
Sampled: 4/20/2017 12:45

Sample ID: 17D0925-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	4/21/17	4/26/17 12:34	JMB

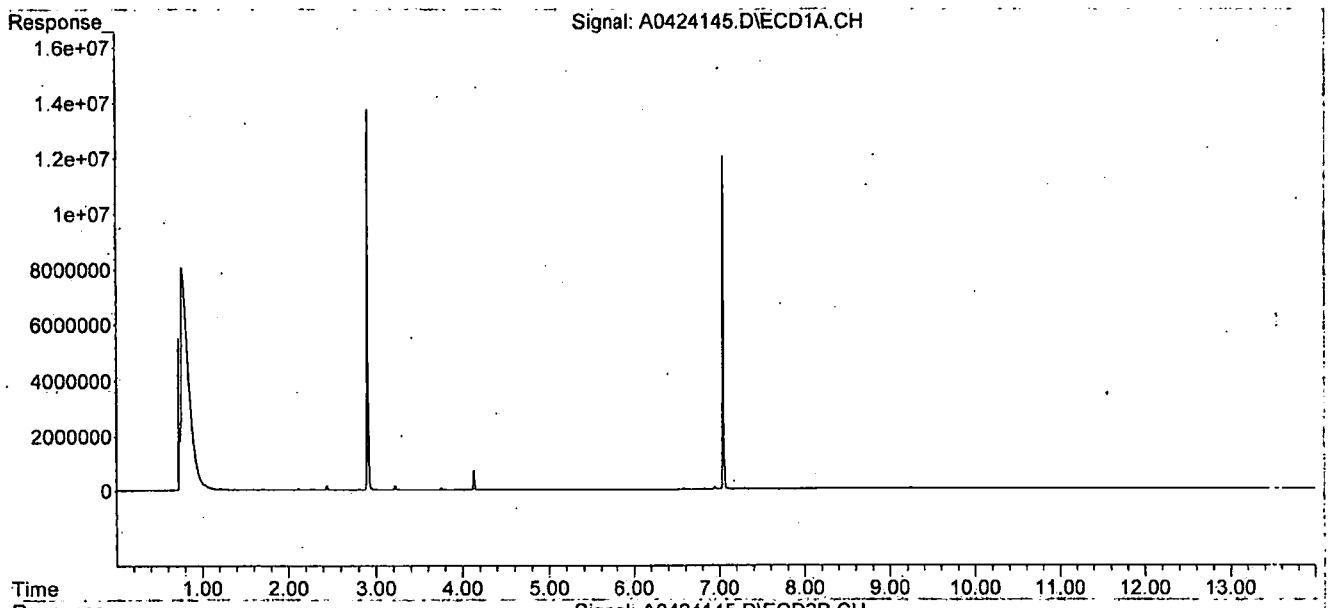
Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		4/26/17 12:34
Decachlorobiphenyl [2]	91.6	30-150		4/26/17 12:34
Tetrachloro-m-xylene [1]	96.4	30-150		4/26/17 12:34
Tetrachloro-m-xylene [2]	98.1	30-150		4/26/17 12:34

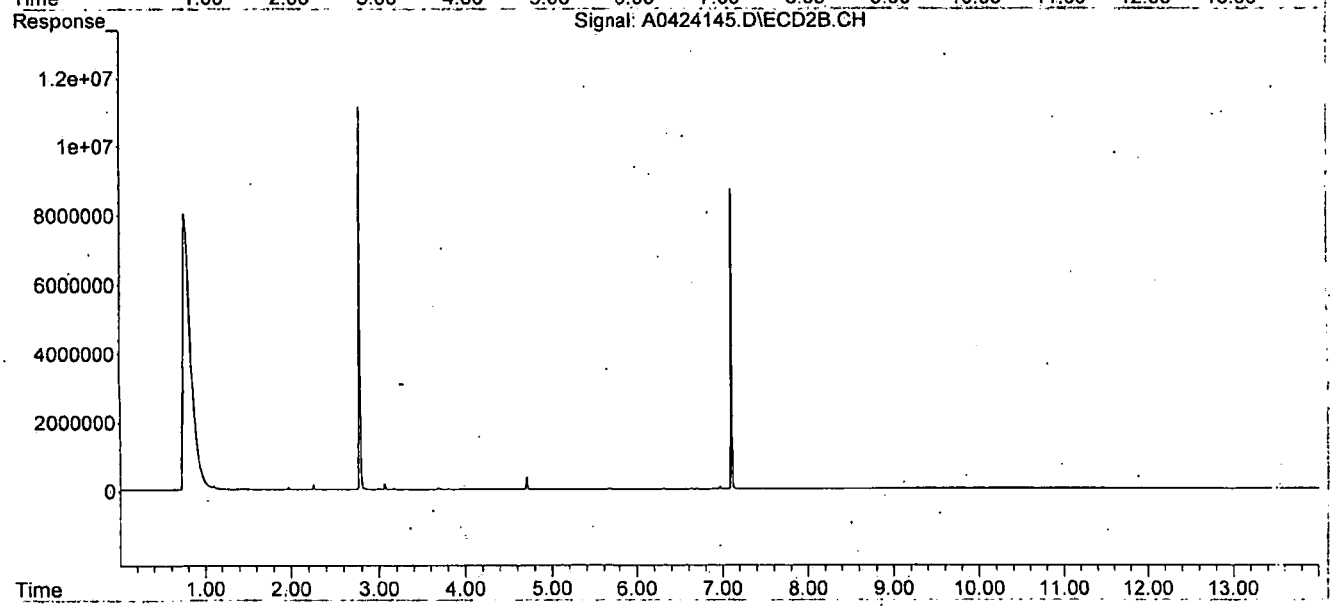
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\042417\
Data File : A0424145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Apr 2017 12:34 pm
Operator : JMB
Sample : 17D0925-04 Inst : HP G1530A
Misc :
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Apr 27 04:45:49 2017
DataAcq Meth:PCBLONG.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-041917C.M
Quant Title : 1254 04/19/17 01/14/17 ICAL 1700139
QLast Update : Thu Apr 20 12:20:24 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





CERTIFICATE OF ANALYSIS

Client Name: AEI Consultants, Inc.
Client Project ID: BASF Cranston
Client Sample ID: TP-5 (2-2.5')
Date Sampled: 04/26/17 11:30
Percent Solids: 63
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1704695
ESS Laboratory Sample ID: 1704695-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 4/27/17 15:09

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1221	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1232	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1242	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1248	**118000** (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1254	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1260	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1262	ND (16600)		8082A		200000	05/01/17 14:17		CD72730
Aroclor 1268	ND (16600)		8082A		200000	05/01/17 14:17		CD72730

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	%	SD	30-150
Surrogate: Decachlorobiphenyl [2C]	%	SD	30-150
Surrogate: Tetrachloro-m-xylene	%	SD	30-150
Surrogate: Tetrachloro-m-xylene [2C]	%	SD	30-150

CERTIFICATE OF ANALYSIS

Client Name: AEI Consultants, Inc.
Client Project ID: BASF Cranston
Client Sample ID: TP-5 (3.5-4.0')
Date Sampled: 04/26/17 11:36
Percent Solids: 62
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1704695
ESS Laboratory Sample ID: 1704695-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 4/27/17 15:09

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1221	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1232	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1242	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1248	**15500** (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1254	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1260	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1262	ND (835)		8082A		10000	05/01/17 13:40		CD72730
Aroclor 1268	ND (835)		8082A		10000	05/01/17 13:40		CD72730

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	%	SD	30-150
Surrogate: Decachlorobiphenyl [2C]	%	SD	30-150
Surrogate: Tetrachloro-m-xylene	%	SD	30-150
Surrogate: Tetrachloro-m-xylene [2C]	%	SD	30-150

CERTIFICATE OF ANALYSIS

Client Name: AEI Consultants, Inc.
Client Project ID: BASF Cranston
Client Sample ID: TP-5 (5.5-6')
Date Sampled: 04/26/17 11:40
Percent Solids: 65
Initial Volume: 20
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1704695
ESS Laboratory Sample ID: 1704695-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 4/27/17 15:09

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1221	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1232	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1242	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1248	**13.7** (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1254	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1260	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1262	ND (1.5)		8082A		20	05/01/17 13:59		CD72730
Aroclor 1268	ND (1.5)		8082A		20	05/01/17 13:59		CD72730

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	%	SD	30-150
Surrogate: Decachlorobiphenyl [2C]	%	SD	30-150
Surrogate: Tetrachloro-m-xylene	%	SD	30-150
Surrogate: Tetrachloro-m-xylene [2C]	%	SD	30-150

CERTIFICATE OF ANALYSIS

Client Name: AEI Consultants, Inc.
Client Project ID: BASF Cranston
Client Sample ID: G280 (3.5-4.0')
Date Sampled: 04/27/17 08:10
Percent Solids: 84
Initial Volume: 19.5
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1704723
ESS Laboratory Sample ID: 1704723-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 4/28/17 16:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1221	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1232	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1242	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1248	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1254	**25.6** (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1260	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1262	ND (3.0)		8082A		50	05/04/17 14:09		CD72825
Aroclor 1268	ND (3.0)		8082A		50	05/04/17 14:09		CD72825

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	%	SD	30-150
Surrogate: Decachlorobiphenyl [2C]	%	SD	30-150
Surrogate: Tetrachloro-m-xylene	%	SD	30-150
Surrogate: Tetrachloro-m-xylene [2C]	%	SD	30-150