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October 31, 2018

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Results from August 2018 Water Quality Samples
& 2018 Sediment Basin Monitoring
Former Ward Products Site, 61 Edson Street, Amsterdam, NY
NYSDEC Site ID #429004

Dear Ruth

This letter provides a summary of the results from the groundwater quality samples collected from the Former Ward Products Site (the Site) in August 2018. This letter provides the data from the monitoring event. Analysis and discussion of the results will be included in the next Periodic Review Report (PRR), due January 2022.

This letter also reports on 2018 Sediment Basin Monitoring.

In addition, in response to NYSDEC direction, please be advised that three wells were sampled during the August 2018 event for per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane, in accordance with the *Emerging Contaminants Groundwater Sampling Work Plan, Former Ward Products Site, 61 Edson Street, Amsterdam, NY, NYSDEC Site ID #429004*, submitted on August 7, 2018 and approved by the New York State Department of Environmental Conservation (NYSDEC) on August 8, 2018. As stated in this work plan, the results of this additional sampling will be reported in a separate submittal.

1. Groundwater Monitoring

On January 23, 2017 NYSDEC issued a letter modifying the previously approved "Site Management Plan, Ward Products Site, Site # 4-29-004, Amsterdam, New York" (SMP) (AECOM, February 2011) and these modifications were implemented in 2017. To summarize the modifications:

- Sampling frequency was decreased to annually for seven wells, biannually for six other wells in odd numbered years (beginning in 2017), and biannually for six different wells in event numbered years (beginning in 2018).
- Analysis for hexavalent chromium was removed from the program.
- Analysis for total chromium was reduced to a subset of wells.

The modified SMP requires annual measurement of groundwater levels in 22 monitoring wells plus the groundwater recovery wells, and collection of groundwater quality samples for analysis of volatile organic compounds (VOCs) and total chromium in 2018 from 13 of the 22 monitoring wells, as listed below:

Monitoring Well	VOCs	Total Cr	Monitoring Well	VOCs	Total Cr
MW-1R	x	x	MW-15	x	
MW-4	x	x	MW-16	x	
MW-4R	x	x	MW-17	x	
MW-10	x		MW-18	x	
MW-11	x		MW-19	x	
MW-13	x		MW-20	x	
MW-14	x				

On August 27 through 29, 2018, AECOM conducted the annual groundwater monitoring event for 2018. During this event, monitoring well MW-7 could not be located due to overgrowth of vegetation and the wrong well was mistakenly identified as MW-3. These two wells were only required to be gauged for water levels during the 2018 event. A summary of the August 2018 concentrations of trichloroethylene (TCE) and total chromium (the primary constituents of concern) is provided in Table 1. Groundwater elevation data and field water quality data from the August 2018 event are summarized in Table 2. The results of laboratory analyses (over time) for select constituents in the 19 wells sampled under the modified SMP are summarized in Table 3. The Form 1 laboratory data sheets for the August 2018 event are included in Attachment A.

Prior to sampling the wells, depth to groundwater was measured using a water level indicator. All wells were purged and sampled with a submersible or peristaltic pump using methods specified by the USEPA for low flow/low stress sampling [USEPA, 1996]. Samples were analyzed for VOCs by Method 8260C and total chromium by Method E200.7. A duplicate sample (DUP) was collected from well MW-1R for quality assurance/quality control (QA/QC).

2. Sediment Basin Monitoring

The three sedimentation basins (located off of Route 5, Chapman Road, and Sam Stratton Road) were inspected for sediment accumulation and sampled to determine if the sediments need to be removed for off-site disposal. AECOM field technicians inspected all three sediment basins on August 29, 2018.

The results of the inspection indicate that the Sam Stratton Road sedimentation basin had a sediment accumulation of more than 4 inches since the last inspection. Therefore, a sediment sample was collected from the Sam Stratton Road sedimentation basin and analyzed for the required metals (total cadmium, chromium, nickel, and zinc). Table 4 summarizes the sediment analytical results from August 2018. The cadmium, chromium, and zinc results were greater than the NYSDEC Sediment Criteria for Protection of Benthic Organisms Lowest Effect Level (LEL) and Severe Effect Level (SEL). Therefore in accordance with Section 3.5.1 of the SMP, AECOM is developing plans so as to obtain client approval for removal of sediment from the Sam Stratton Road basin, following the procedures set forth in the Excavation Plan (Section 2.4 of the SMP).

If you have any questions regarding this letter, please feel free to contact Laura Warren at 978.905.2449 or by e-mail.

Yours sincerely,

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enclosures: Table 1 – Summary of Primary Constituents
Table 2 – Summary of Field Measurements
Table 3 – Summary of Analytical Results
Table 4 – August 2018 Settling Basin Sediment Sampling Results
Attachment A – August 2018 Groundwater Laboratory Results (only included with the original)

cc: I. Ushe – NYSDOH (via electronic delivery)
B. Conlon – NYSDEC (via electronic delivery)
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Tables

Table 1
Summary of Primary Constituents of Interest
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

Sampling Date: August 27-29, 2018

Well Number	Trichloroethene µg/L	Total Chromium µg/L
NYSDEC GQS	**5**	**50**
MW-1R	**42***	**88.15***
MW-4	**83**	<5
MW-4R	**7500**	<5
MW-10	**410**	NA
MW-11	<5	NA
MW-13	<5	NA
MW-14	<5	NA
MW-15	<5	NA
MW-16	<5	NA
MW-17	<5	NA
MW-18	<5	NA
MW-19	<5	NA
MW-20	<5	NA

Notes:
BOLD values are greater that NYSDEC Groundwater Quality Standards
NYSDEC GQS - New York State Department of Environmental Conservation Groundwater Quality Standard
NA - samples were not analyzed for total chromium
* Average of primary and duplicate sample results (reporting limit used for non-detect results).
Semiannual groundwater monitoring conducted according to the "Site Management Plan, Ward Products Site, Site # 4-29-004, Amsterdam, New York" (AECOM, February 2011), as modified by NYSDEC's letter dated January 23, 2017 amending the Site Management Plan.

Table 2
Summary of Field Measurements
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

Sampling Date: August 27-29, 2018

Monitoring Well	Top of Casing Elevation (Ft)	Depth to Water (Ft)	Water Elevation (Ft)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Conductivity (uohms/cm)	pH (SU)	Temperature (^{o}C)
MW-1	471.55	4.27	467.28	-	-	-	-	-	-
MW-1R	471.46	4.00	467.46	13.8	5.35	76.1	0.641	7.06	18.79
MW-2	471.20	4.29	466.91	-	-	-	-	-	-
MW-3	473.03	20.24 [c]	NM	-	-	-	-	-	-
MW-4	470.17	7.20	462.97	9.3	0.53	-31.7	0.567	6.75	17.92
MW-4R	470.29	18.40	451.89	5.58	1.11	14.5	0.967	7.10	15.77
MW-5	475.62	17.27	458.35	-	-	-	-	-	-
MW-6	470.97	18.99	451.98	-	-	-	-	-	-
MW-7 [b]	469.14	NM	NM	-	-	-	-	-	-
MW-8	467.38	14.58	452.80	-	-	-	-	-	-
MW-9	465.43	17.39	448.04	-	-	-	-	-	-
MW-10	466.77	18.81	447.96	7.5	0.91	43.4	0.785	7.08	14.56
MW-11	485.37	16.08	469.29	9.13	0.71	-25.8	0.606	7.21	14.38
MW-12	468.18	19.87	448.31	-	-	-	-	-	-
MW-13	462.12	15.61	446.51	15.6	0.14	-153.3	0.343	6.70	14.33
MW-14	453.66	11.74	441.92	37.8	8.79	44.8	0.899	7.36	14.22
MW-15	445.20	9.69	435.51	9.1	0.71	45.5	0.156	6.61	20.34
MW-16	449.50	21.29	428.21	9.1	1.89	54.6	0.234	6.74	15.03
MW-17	450.84	8.75	442.09	10.1	0.47	-43.6	0.074	5.99	13.41
MW-18	463.76	21.94	441.82	7.81	0.82	-49.6	0.385	7.03	12.94
MW-19	441.64	29.88	411.76	41.3	0.38	-159.8	0.775	6.98	18.44
MW-20 [a]	442.46	23.93	418.53	75.9	6.21	46.1	1.200	7.07	15.13
RW-01	472.08	70.71	401.37	-	-	-	-	-	-
RW-02*	465.57	35.82	429.75	-	-	-	-	-	-

Notes:
- Not Sampled
NM - water level not measured
*RW-02 was formerly IW-01. RW-02 TOC estimated.
[a] MW-20 was observed to be damaged in August 2014, and was repaired and re-surveyed in November 2014.
[b] Well could not be located during the sampling event.
[c] Based on the total depth of MW-3, it was determined that adjacent well IW-3 was likely gauged instead of MW-3.
Semiannual groundwater monitoring conducted according to the "Site Management Plan, Ward Products Site, Site # 4-29-004, Amsterdam, New York" (AECOM, February 2011), as modified by NYSDEC's letter dated January 23, 2017 amending the Site Management Plan.

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-1R												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/5/97	**6.77**	**7.16J**	**14**	<1	**4J**	NA	<2	**36**	<2	**3J**	**410**	<2
11/3/97	**12**	**11.5**	**33**	<1	**6**	NA	<2	**34**	<2	**4J**	**690**	<2
5/8/98	**0.89**	**1.48**	<5	<5	<5	<10	<5	NA	NA	<5	**180**	<10
8/26/98	**1.2**	**0.99**	**11**	<5	<5	<10	<5	NA	NA	<5	**280**	<10
11/17/98	**6.4**	**5.71**	**65**	<25	**30**	<50	<25	NA	NA	<25	**550**	<50
5/24/99	**0.55**	**0.451**	<5	<5	<5	<10	<5	NA	NA	<5	**100**	<10
8/24/99	**1.99**	**1.87**	**48**	<10	<10	<20	<10	NA	NA	<10	**420**	<20
11/15/99	**0.68**	**0.5**	**36**	<5	<5	<10	<5	NA	NA	<5	**280**	<10
5/23/00	**0.3**	**0.323**	<10	<10	<10	<20	<10	NA	NA	<10	**160**	<20
8/23/00	**0.41**	**0.349**	**10**	<5	<5	<10	<5	NA	NA	<5	**170**	<10
5/22/01	**0.26**	**0.26**	**10**	<10	<10	<20	<10	NA	NA	<10	**140**	<20
8/29/01	**0.43**	**0.365**	**11**	<10	<10	<20	<10	NA	NA	<10	**170**	<20
6/17/02	**0.16**	**0.216**	<5	<5	<5	<10	<5	NA	NA	<5	**62**	<10
9/16/02	**0.16**	**0.16**	<10	<10	<10	<20	<10	NA	NA	<10	**110**	<20
9/10/03	**0.25**	**0.22**	**17**	<10	<10	<20	<10	**14**	<10	<10	**180**	<20
5/19/04	**0.14**	**0.139**	<5	<5	<5	NA	<5	<5	<5	<5	**96**	<10
8/18/04	**0.2**	**0.214**	<10	<10	<10	NA	<10	<10	<10	<10	**180**	<10
5/11/05	**0.12**	**0.124**	**4J**	<10	<10	<10	<10	**2J**	<10	<10	**94**	<10
9/22/05	**0.03**	**0.319**	**10J**	<10	**2J**	<10	<10	**14**	<10	**2J**	**200E**	<10
5/23/06	**0.13**	**0.132**	**5J**	<10	**6J**	<10	<10	**4J**	<10	<10	**110**	<10
9/22/05	**0.26**	**0.241**	**9J**	<10	<10	<10	<10	**7J**	<10	<10	**150**	<10
5/30/07	**0.119**	**0.117**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**68**	<10.0
8/6/07	<.02	**0.019**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
6/25/08	**0.083**	**0.08**	<10	<10	<10	<10	<10	<10	<10	<10	**59**	<10
8/25/08	**0.09**	**0.135**	<5	<5	<5	<10	<5	<5	<5	<5	**95**	<10
5/19/09	**0.06**	**0.0557**	<5	<5	<5	<10	<5	<5	<5	<5	**68**	<10
8/12/09	**0.11**	**0.122**	**5.3**	<5	<5	<10	<5	<5	<5	<5	**100**	<10
5/5/10	**0.06**	**0.0682**	**2.3 J**	<5	<5	<10	<5	<5	<5	<5	**63**	<10
8/31/10	**0.29**	**0.311**	**5.3**	<5	<5	<10	<5	**6**	<5	<5	**140**	<10
5/26/11	**0.05**	**0.0698**	<5	<5	**4.4J**	<10	<5	<5	<5	<5	**120**	<10
8/30/11	**0.11**	**0.127**	<5	<5	<5	<10	<5	<5	<5	<5	**93**	<10
5/23/12	**0.06**	**0.0582**	<5	<5	<5	<10	<5	<5	<5	<5	**58**	<10
8/22/12	**0.37**	**0.855**	**4.3 J**	<5	<5	<10	<5	**5.1**	<5	<5	**130**	<10
5/13/13	**0.08**	**0.117**	**2.1 J**	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	**53**	< 10
8/28/13	**0.2**	**0.195**	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	**86**	< 10
5/20/14	**0.047**	**0.0634**	<5	<5	<5	<10	<5	<5	<5	<5	**46**	<10
8/13/14	**0.08**	**0.107**	<5	<5	<5	<10	<5	<5	<5	<5	**61**	<10
5/26/15	**0.08**	**0.097**	<5	<5	<5	<10	<5	<5	<5	<5	**54**	<10
8/25/15	**0.24**	**0.241**	<5	<5	<5	<10	<5	<5	<5	<5	**88**	<10
5/10/16	**0.065**	**0.059**	<5	<5	<5	<10	<5	<5	<5	<5	**44**	<10
8/18/16	**0.27**	**0.27**	<5	<5	<5	<10	<5	<5	<5	<5	**79**	<10
8/22/17	NA	**0.155**	<5	<5	<5	<10	<5	<5	<5	<5	**78**	<10
8/28/18	NA	**0.0977**	<5	<5	<5	<10	<5	<5	<5	<5	**43**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-4												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
8/22/96	**0.07**	**0.09**	<5	<5	<5	NA	<5	<5	<5	<5	**540**	<5
5/22/97	**0.086**	NA	<5	<5	<5	NA	<5	<5	<5	<5	**330**	<5
9/5/97	**0.0817**	**0.078J**	<1	<1	**1J**	NA	<1	<2	<2	<1	**330**	<2
11/3/97	**0.027J**	NA	<1	<1	**1J**	NA	<1	<2	<2	<1	**540**	<2
5/8/98	**0.1**	**0.11**	<5	<5	<5	<10	<5	NA	NA	<5	**300**	<10
8/26/98	**0.1**	**0.07**	<12	<12	<12	<25	<12	NA	NA	<12	**400**	<25
11/17/98	**0.06**	**0.068**	<100	<100	<100	<200	<100	NA	NA	<100	**3200**	<200
5/24/99	**0.08**	**0.08**	<25	<25	<25	<50	<25	NA	NA	<25	**800**	<50
8/24/99	**0.08**	**0.064**	<25	<25	<25	<50	<25	NA	NA	<25	**760**	<50
11/15/99	**0.1**	**0.066**	<25	<25	<25	<50	<25	NA	NA	<25	**920**	<50
5/23/00	**0.08**	**0.079**	<25	<25	<25	<50	<25	NA	NA	<25	**460**	<50
8/23/00	**0.07**	**0.068**	<25	<25	<25	<50	<25	NA	NA	<25	**470**	<50
5/22/01	**0.04**	**0.037**	<10	<10	<10	<20	<10	NA	NA	<10	**240**	<20
8/30/01	**0.04**	**0.043**	<125	<25	<25	<20	<25	NA	NA	<25	**300**	<50
6/18/02	**0.05**	**0.052**	<13	<13	<13	<25	<13	NA	NA	<13	**300**	<25
9/17/02	**0.04**	**0.039**	<250	<250	<250	<500	<250	NA	NA	<250	**6000**	<500
9/11/03	**0.05**	<0.005	<12	<12	<12	<25	<12	<12	<12	<12	**430**	<25
5/19/04	**0.06**	**0.045**	<10	<10	<10	NA	<10	<10	<10	<10	**330**	<20
8/18/04	**0.04**	**0.0569**	<20	<20	<20	NA	<20	<20	<20	<20	**390**	<20
5/11/05	**0.05**	**0.0441**	<20	<20	<20	<20	<20	<20	<20	<20	**340**	<20
9/22/05	**0.03**	**0.0288**	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	**20000E**	<1000
5/22/06	**0.03**	**0.029**	<20	<20	<20	<20	<20	<20	<20	<20	**300**	<20
8/23/06	**0.04**	**0.0289**	<50	<50	<50	<50	<50	<50	<50	<50	**690**	<50
5/30/07	<0.020	**0.016**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**190**	<10.0
8/6/07	<0.020	**0.022**	<250	<250	<250	<500	<250	<250	<250	<250	**6600**	<500
6/25/08	<0.02	**0.018**	<20	<20	<20	<20	<20	<20	<20	<20	**250**	<20
8/26/08	<0.02	**0.018**	<10	<10	<10	<20	<10	<10	<10	<10	**360**	<20
5/19/09	**0.03**	**0.029**	<10	<10	<10	<20	<10	<10	<10	<10	**260**	<20
8/11/09	**0.03**	**0.0296**	<10	<10	<10	<20	<10	<10	<10	<10	**290**	<20
5/6/10	**0.03**	**0.0403**	<5	<5	<5	<10	<5	<5	<5	<5	**140**	<10
8/31/10	**0.05**	**0.0401**	<250	<250	<250	<500	<250	<250	<250	<250	**5500**	<500
5/25/11	<0.02	**0.0143**	<25	<25	**20 J**	<50	<25	<25	<25	<25	**460**	<50
8/30/11	<0.02	<0.0047	<5	<5	<5	<10	<5	**2.2 J**	<5	<5	**160**	<10
5/22/12	<0.02	**0.0082 B**	<5	<5	<5	<10	<5	<5	<5	<5	**110**	<10
8/22/12	<0.02	**0.0748**	<5	<5	<5	<10	<5	**20**	<5	**31**	**1900 D**	<10
5/13/13	< 0.02	**0.0285**	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	**130**	< 10
8/26/13	< 0.02	**0.0027 B**	< 5.0	< 5.0	< 5.0	< 10	< 5.0	**47**	< 5.0	< 5.0	**190**	< 10
5/20/14	<0.02	<0.0027	<5	<5	<5	<10	<5	<5	<5	<5	**32**	<10
8/11/14	<0.02	**0.0171**	<5	<5	<5	<10	<5	**17**	<5	<5	**66**	<10
5/26/15	<0.02	**0.0031 B**	<5	<5	<5	<10	<5	**6.8**	<5	<5	**65**	<10
8/25/15*	<0.020	<0.0099	<5	<5	<5	<10	<5	**34**	<5	<5	**110**	<10
5/10/16	<0.020	**0.0186**	<5	<5	<5	<10	<5	<5	<5	<5	**50**	<10
8/18/16	<0.020	**0.0148**	<5	<5	<5	<10	<5	**44**	<5	<5	**140**	<10
8/21/17	NA	**0.0149**	<5	<5	<5	<10	<5	**34**	<5	<5	**86**	<10
8/21/17*	NA	**0.0138**	<5	<5	<5	<10	<5	**42**	<5	<5	**45**	<10
8/28/18	NA	<0.005	<5	<5	<5	<10	<5	**29**	<5	<5	**83**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-4R												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/4/97	**0.0155**	<0.030	<500	<500	<500	NA	<500	<500	<500	**1000**	**140000**	<500
11/3/97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/22/98	**0.0052**	**0.0092J**	<20	<20	<20	NA	<20	**80J**	<40	**210**	**28000**	ND
5/8/98	**0.03**	**0.03**	<500	<500	<500	<1000	<500	NA	NA	<500	**22000**	<1000
8/26/98	**0.03**	**0.005**	<500	<500	<500	<1000	<500	NA	NA	<500	**17000**	<1000
11/16/98	**0.03**	**0.015**	<1200	<1200	<1200	<2500	<1200	NA	NA	<1200	**28000**	<2500
5/24/99	**0.04**	**0.006**	<1200	<1200	<1200	<2500	<1200	NA	NA	<1200	**52000**	<2500
8/24/99	**0.02**	**0.008**	<500	<500	<500	<1000	<500	NA	NA	<500	**14000**	<1000
11/15/99	<0.02	<0.005	<1250	<1250	<1250	<2500	<1250	NA	NA	<1250	**25000**	<2500
5/23/00	<0.02	**0.017**	<500	<500	<500	<1000	<500	NA	NA	<500	**20000**	<2500
8/23/00	<0.02	**0.006**	<500	<500	<500	<1000	<500	NA	NA	<500	**19000**	<2500
5/22/01	<0.02	**0.012**	<2500	<2500	<2500	<2500	<2500	NA	NA	<2500	**45000**	<5000
8/30/01	<0.02	**0.009**	<1250	<1250	<1250	<2500	<1250	NA	NA	<1250	**13000**	<2500
6/18/02	<0.02	**0.008**	<500	<500	<500	<1000	<500	NA	NA	<500	**14000**	<1000
9/17/02	<0.02	**0.005**	<250	<250	<250	<500	<250	NA	NA	<250	**7500**	<500
9/11/03	<0.02	**0.006**	<500	<500	<500	<1000	<250	<500	<500	<500	**19000**	<1000
5/19/04	<0.02	<0.005	<1000	<1000	<1000	NA	<1000	<1000	<1000	<1000	**49000**	<2000
8/18/04	<0.020	**0.0071B**	<2000	<2000	<2000	NA	<2000	<2000	<2000	<2000	**28000**	<2000
5/11/05	<0.020	**0.0076B**	<20000	<20000	<20000	<20000	<20000	<20000	<20000	<20000	**180000**	<20000
9/22/05	<0.020	**0.0047B**	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	**70000**	<5000
5/22/06	<0.020	**0.0071B**	<2000	<2000	<2000	<2000	<2000	<2000	<2000	<2000	**24000**	<2000
8/23/06	<0.020	**0.0138**	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	**21000E**	<1000
5/30/07	<0.020	**0.022**	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	**59000**	<5000
8/6/07	<.02	<.005	<250	<250	<250	<500	<250	<250	<250	<250	**7400**	<500
6/25/08	**0.03**	**0.036**	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	**47000**	<2500
8/25/08	**0.03**	**0.026**	<1200	<1200	<1200	<2500	<1200	<1200	<1200	<1200	**28000**	<2500
5/19/09	**0.05**	**0.0276**	<1200	<1200	<1200	<2500	<1200	<1200	<1200	<1200	**45000**	<2500
8/11/09	**0.02**	**0.0347**	<500	<500	<500	<1000	<500	<500	<500	<500	**10000**	<1000
5/5/10	<0.020	**0.0254**	<500	<500	<500	<1000	<500	<500	<500	**330 J**	**18000**	<1000
8/31/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/28/10	NA	NA	<250	<250	<250	<500	<250	<250	<250	<250	**7000**	<500
5/25/11	<0.02	<0.005	<1000	<1000	**970 J**	<2000	<1000	<1000	<1000	<1000	**23000**	<2000
8/30/11	<0.02	<0.0047	<2500	<2500	<2500	<5000	<2500	<2500	<2500	**1200 J**	**47000**	<5000
5/22/12	**0.04**	**0.111**	<1200	<1200	<1200	<2500	<1200	<1200	<1200	**1000 J**	**37000**	<2500
8/22/12	<0.02	<0.0051	<1200	<1200	**350 J**	<2500	<1200	<1200	<1200	**1300**	**41000**	<2500
5/13/13	< 0.02	**0.122**	< 1200	< 1200	< 1200	< 2500	< 1200	< 1200	< 1200	**400 J**	**12000**	< 2500
8/26/13	< 0.02	**0.0196**	< 1000	< 1000	**1200**	< 2000	< 1000	< 1000	< 1000	**940 J**	**27000**	< 2000
5/20/14	<0.02	**0.095**	<1000	<1000	<1000	<2000	<1000	<1000	<1000	**1400**	**40000 E**	<2000
8/11/14	<0.02	**0.042**	<2000	<2000	<2000	<4000	<2000	<2000	<2000	<2000	**22000**	<4000
5/26/15	<0.02	**0.0123**	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	**24000**	<2000
8/25/15	<0.020	<0.0099	<1000	<1000	<1000	<2000	<1000	<1000	<1000	**1100**	**29000**	<2000
5/10/16	<0.020	<0.0099	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	**12000**	<2000
8/18/16	<0.020	**0.0104**	<500	<500	<500	<1000	<500	<500	<500	<500	**9200**	<1000
8/21/17	NA	**0.0169**	<500	<500	<500	<1000	<500	<500	<500	**660**	**19000**	<1000
8/28/18	NA	<0.005	<500	<500	<500	<1000	<500	<500	<500	<500	**7500**	<1000

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-5												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/5/1997	**0.0065**	<0.0066	<5	<5	**10**	<10	<5	NA	NA	<5	**180**	<10
11/3/1997	**0.004J**	<0.0060	<5	<5	<5	<10	<5	NA	NA	<5	**290**	<10
5/7/1998	<0.02	<0.005	<25	<25	<25	<50	<25	NA	NA	<25	**460**	<50
8/25/1998	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**210**	<10
11/17/1998	<0.02	**0.006**	<25	<25	<25	<50	<25	NA	NA	<25	**440**	<50
5/24/1999	<0.02	<0.005	<10	<10	<10	<20	<10	NA	NA	<10	**280**	<20
8/23/1999	<0.02	**0.013**	<10	<10	<10	<20	<10	NA	NA	<10	**280**	<20
11/15/1999	<0.02	<0.005	<25	<25	<25	<50	<25	NA	NA	<25	**300**	<50
5/23/2000	<0.02	**0.006**	<10	<10	<10	<20	<10	NA	NA	<10	**280**	<20
8/23/2000	<0.02	<0.005	<15	<15	<15	<30	<15	NA	NA	<15	**270**	<30
5/22/2001	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**110**	<10
8/30/2001	<0.02	**0.008**	<10	<10	<10	<20	<10	NA	NA	<10	**250**	<20
6/18/2002	<0.02	**0.005**	<12	<12	<12	<25	<12	<12	<12	<12	**190**	<25
9/16/2002	<0.02	**0.006**	<5	<5	<5	NA	<5	**6.3**	<5	<5	**120**	<10
9/11/2003	<0.02	**0.005**	<20	<20	<20	NA	<20	<20	<20	<20	**260**	<20
5/19/2004	NA	NA	<20	<20	<20	<20	<20	**7J**	<20	<20	**250**	<20
8/17/2004	NA	NA	<50	<50	**5J**	<50	<50	**16J**	<50	<50	**480**	<50
5/11/2005	<0.020	**0.0059B**	<20	<20	<20	<20	<20	**7J**	<20	<20	**250**	<20
9/22/2005	<0.020	<0.0023	<50	<50	**5J**	<50	<50	**16J**	<50	<50	**480**	<50
5/22/2006	NA	NA	<10	<10	<10	<10	<10	**6J**	<10	<10	**210E**	<20
8/23/2006	NA	NA	<20	<20	<20	<20	<20	**9J**	<20	<20	**230**	<20
5/30/2007	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**120**	<10.0
8/6/2007	NA	NA	<5	<5	<5	<10	<5	**6.2**	<5	<5	**140**	<10
6/25/2008	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**68**	<10
8/26/2008	NA	NA	<25	<25	<25	<50	<25	<25	<25	<25	**650**	<50
5/20/2009	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**77**	<10
8/12/2009	NA	NA	<5	<5	<5	<10	<5	**7**	<5	<5	**120**	<10
5/6/2010	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**60**	<10
8/31/2010	NA	NA	<5	<5	<5	<10	<5	**8**	<5	<5	**63**	<10
8/22/17	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**43**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-6												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/4/1997	**0.0187**	<0.030	<25	<25	<25	NA	<25	<25	<25	**48**	**4900**	<25
11/3/1997	<0.00040	<0.0066	<5	<5	<5	NA	<5	<5	<5	**22J**	**3200**	<10
5/7/1998	**0.26**	**0.29**	<100	<100	<100	<200	<100	NA	NA	<100	**11000**	<200
8/26/1998	**0.18**	**0.14**	<500	<500	<500	<1000	<500	NA	NA	<500	**14000**	<1000
11/17/1998	**0.1**	**0.108**	<500	<500	<500	<1000	<500	NA	NA	<500	**10000**	<1000
5/24/1999	**0.23**	**0.212**	<500	<500	<500	**1000**	<500	NA	NA	<500	**12000**	<1000
8/24/1999	**0.17**	**0.159**	<250	<250	<250	<500	<250	NA	NA	<250	**5700**	<500
11/15/1999	**0.2**	**0.129**	<250	<250	<250	<500	<250	NA	NA	<250	**5400**	<500
5/23/2000	**0.28**	**0.271**	<250	<250	<250	<500	<250	NA	NA	<250	**7000**	<500
8/23/2000	**0.27**	**0.237**	<500	<500	<500	<1000	<500	NA	NA	<500	**3500**	<1000
5/21/2001	**0.12**	**0.104**	<250	<250	<250	<500	<250	NA	NA	<250	**6000**	<500
8/29/2001	**0.08**	**0.15**	<100	<100	<100	<200	<100	NA	NA	<100	**3000**	<200
6/18/2002	**0.14**	**0.136**	<500	<500	<500	<1000	<500	NA	NA	<500	**3000**	<1000
9/16/2002	**0.08**	**0.096**	<100	<100	<100	<200	<100	NA	NA	<100	**1700**	<200
9/10/2003	**0.14**	**0.112**	<100	<100	<100	<200	<100	<100	<100	<100	**2800**	<200
5/19/2004	**0.14**	**0.145**	<250	<250	<250	<200	<250	<250	<250	<250	**3500**	<500
8/18/2004	**0.14**	**0.152**	<100	<100	<100	NA	<100	<100	<100	**34J**	**1700**	<100
5/11/2005	**0.13**	**0.135**	<200	<200	<200	<200	<200	<200	<200	<200	**3400**	<200
9/22/2005	**0.04**	**0.0434**	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	**19000**	<1000
5/22/2006	**0.11**	**0.105**	<200	<200	<200	<200	<200	<200	<200	**48J**	**3700**	<200
8/23/2006	**0.07**	**0.0674**	<200	<200	<200	<200	<200	<200	<200	<200	**3800**	<200
5/30/2007	**0.041**	**0.091**	<200	<200	<200	<200	<200	<200	<200	<200	**2400**	<200
8/6/2007	**0.04**	**0.044**	<100	<100	<100	<200	<100	<100	<100	<100	**4000**	<200
6/25/2008	**0.04**	**0.01**	<200	<200	<200	<200	<200	<200	<200	<200	**3600**	<200
8/26/2008	**0.04**	**0.038**	<250	<250	<250	<500	<250	<250	<250	<250	**5700**	<500
5/20/2009	**0.06**	**0.0546**	<250	<250	<250	<500	<250	<250	<250	<250	**6400**	<500
8/11/2009	**0.05**	**0.0475**	<100	<100	<100	<200	<100	<100	<100	**71J**	**4000**	<200
5/5/2010	<0.020	<0.0047	<100	<100	<100	<200	<100	<100	<100	<100	**2300**	<200
8/31/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/22/17	NA	**0.0141**	<25	<25	<25	<50	<25	<25	<25	<25	**440**	<50

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-7												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/4/1997	**0.018**	<0.030	<5	<5	<5	NA	<5	<5	<5	<5	**450**	<5
11/4/1997	**0.0065**	**0.0077J**	<1	<1	<1	NA	<1	**3J**	<2	**1J**	**450**	<2
5/7/1998	**0.18**	**0.188**	<50	<50	<50	<100	<50	NA	NA	<50	**730**	<100
8/25/1998	**0.08**	**0.057**	<25	<25	<25	<50	<25	NA	NA	<25	**800**	<50
11/16/1998	**0.07**	**0.079**	<25	<25	<25	<50	<25	NA	NA	<25	**360**	<50
5/25/1999	**0.13**	**0.087**	<25	<25	<25	<50	<25	NA	NA	<25	**1300**	<50
8/23/1999	**0.04**	**0.041**	<25	<25	<25	<50	<25	NA	NA	<25	**420**	<50
11/15/1999	**0.07**	**0.039**	<25	<25	<25	<50	<25	NA	NA	<25	**650**	<50
5/23/2000	**0.17**	**0.154**	<25	<25	<25	<50	<25	NA	NA	<25	**1800**	<50
8/23/2000	**0.07**	**0.066**	<50	<50	<50	<100	<50	NA	NA	<50	**680**	<100
5/21/2001	**0.12**	**0.127**	<100	<100	<100	<200	<100	NA	NA	<100	**2200**	<200
8/29/2001	<0.02	**0.068**	<50	<50	<50	<100	<50	NA	NA	<50	**600**	<100
6/18/2002	**0.07**	**0.068**	<25	<25	<25	<50	<25	NA	NA	<25	**600**	<50
9/16/2002	**0.04**	**0.048**	<10	<10	<10	<20	<10	NA	NA	<10	**280**	<20
9/10/2003	**0.06**	**0.057**	<25	<25	<25	<50	<25	<25	<25	<25	**750**	<50
5/19/2004	**0.04**	**0.025**	<10	<10	<10	NA	<10	<10	<10	<10	**210**	<20
8/18/2004	<0.020	**0.0232**	<20	<20	<20	NA	<20	<20	<20	<20	**250**	<20
5/11/2005	<0.020	**0.0397**	<20	<20	<20	<20	<20	<20	<20	<20	**270**	<20
9/22/2005	<0.020	**0.0232**	<50	<50	<50	<50	<50	<50	<50	<50	**790**	<50
5/22/2006	**0.05**	**0.105**	<100	<100	<100	<100	<100	<100	<100	<100	**1500**	<100
8/23/2006	**0.04**	**0.0442**	<50	<50	<50	<50	<50	<50	<50	<50	**990**	<50
5/30/2007	**0.046**	**0.046**	<100	<100	<100	<100	<100	<100	<100	<100	**1900**	<100
8/6/2007	**0.02**	**0.02**	<25	<25	<25	<50	<25	<25	<25	<25	**530**	<50
6/25/2008	<0.02	**0.017**	<50	<50	<50	<50	<50	<50	<50	<50	**730**	<50
8/26/2008	**0.02**	**0.022**	<50	<50	<50	<100	<50	<50	<50	<50	**1200**	<100
5/21/2009	<0.02	**0.0266**	<50	<50	<50	<100	<50	<50	<50	<50	**1700**	<100
8/11/2009	**0.03**	**0.0242**	<10	<10	<10	<20	<10	<10	<10	<10	**390**	<20
5/6/2010	<0.020	<0.0047	<10	<10	<10	<20	<10	<10	<10	<10	**210**	<20
9/1/2010	<0.020	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	**92**	<10
10/5/2017 [a]	NA	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**110**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-8												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/4/1997	<0.0050	<0.030	<5	<5	<5	NA	<5	<5	<5	<5	**51J**	<5
11/4/1997	<0.00040	<0.0066	<1	<1	<1	NA	<1	<2	<2	<1	**34**	<2
5/7/1998	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**250**	<10
8/25/1998	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**77**	<10
11/16/1998	**0.03**	**0.021**	<5	<5	<5	<10	<5	NA	NA	<5	**120**	<10
5/24/1999	<0.02	**0.005**	<5	**18**	<5	<10	<5	NA	NA	<5	**190**	<10
8/23/1999	<0.02	**0.009**	<5	<5	<5	<10	<5	NA	NA	<5	**61**	<10
11/15/1999	<0.02	**0.005**	<50	<50	<50	<100	<50	NA	NA	<50	**550**	<100
5/23/2000	**0.03**	**0.019**	<10	<10	<10	<20	<10	NA	NA	<10	**720**	<20
8/23/2000	<0.02	**0.006**	<5	<5	<5	<10	<5	NA	NA	<5	**130**	<10
5/21/2001	<0.02	**0.007**	<10	<10	<10	<20	<10	NA	NA	<10	**340**	<20
8/29/2001	<0.02	**0.009**	<5	<5	<5	<10	<5	NA	NA	<5	**55**	<10
6/18/2002	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**170**	<10
9/17/2002	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**32**	<10
9/10/2003	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**130**	<10
5/18/2004	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	**74**	<10
8/17/2004	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	**180**	<10
5/11/2005	NA	NA	<20	<20	<20	<20	<20	<20	<20	<20	**320**	<20
9/22/2005	<0.02	**0.0083B**	<10	<10	<10	<10	<10	**2J**	<10	<10	**100**	<10
5/22/2006	NA	NA	<20	<20	<20	<20	<20	<20	<20	<20	**190**	<20
8/23/2006	NA	NA	<10	<10	<10	<10	<10	**2J**	<10	<10	**85**	<10
5/30/2007	NA	NA	<20	<20	<20	<20	<20	<20	<20	<20	**260**	<20
8/6/2007	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**72**	<10
6/25/2008	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**52**	<10
8/26/2008	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**61**	<10
5/19/2009	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**140**	<10
8/12/2009	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**64**	<10
5/6/2010	<0.020	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	**80**	<10
8/30/2010	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**23**	<10
8/21/17	NA	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**14**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-9												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
1/22/1998	**0.00051J**	<0.0066	<1	<1	<1	NA	<1	<2	<2	<1	**200**	<2
5/8/1998	**0.02**	**0.007**	<5	<5	<5	<10	<5	NA	NA	<5	**150**	<10
8/26/1998	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**200**	<10
11/17/1998	<0.02	**0.006**	<5	<5	<5	<10	<5	NA	NA	<5	**180**	<10
5/25/1999	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**180**	<10
8/23/1999	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**200**	<10
11/16/1999	<0.02	**0.813**	<5	<5	<5	<10	<5	NA	NA	<5	**240**	<10
5/23/2000	<0.02	**0.006**	<5	<5	<5	<10	<5	NA	NA	<5	**190**	<10
8/23/2000	<0.02	**0.005**	<5	<5	<5	<10	<5	NA	NA	<5	**150**	<10
5/22/2001	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**150**	<10
8/30/2001	<0.02	<0.007	<5	<5	<5	<10	<5	NA	NA	<5	**120**	<10
6/18/2002	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**100**	<10
9/18/2002	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**140**	<10
9/11/2003	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**170**	<10
5/19/2004	<0.02	<0.005	<5	<5	<5	NA	<5	<5	<5	<5	**110**	<10
8/18/2004	<0.020	**0.011**	<10	<10	<10	NA	<10	<10	<10	<10	**160**	<10
5/12/2005	<0.020	**0.016**	<10	<10	<10	<10	<10	**1J**	<10	<10	**120**	<10
9/22/2005	<0.020	**0.0288**	<10	<10	<10	<10	<10	<10	<10	<10	**180**	<10
5/23/2006	<0.020	<0.0037	<10	<10	<10	<10	<10	<10	<10	<10	**110**	<10
8/24/2006	<0.020	**0.0047B**	<10	<10	<10	<10	<10	<10	<10	<10	**130**	<10
5/30/2007	<0.020	**0.0061 J**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**120**	<10.0
8/6/2007	<0.02	**0.557**	<5	<5	<5	<10	<5	<5	<5	<5	**150**	<10
6/25/2008	<0.02	<0.005	<10	<10	<10	<10	<10	<10	<10	<10	**100**	<10
8/26/2008	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**120**	<10
5/21/2009	<0.02	<0.0052	<5	<5	<5	<10	<5	<5	<5	<5	**140**	<10
8/12/2009	<0.02	<0.0052	<5	<5	<5	<10	<5	<5	<5	<5	**110**	<10
5/6/2010	<0.020	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	**97**	<10
9/1/2010	<0.020	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	**120**	<10
10/5/2017 [a]	NA	<0.005	<5	<5	<5	<10	<5	**15**	<5	<5	**25**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-10												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
1/22/98	**0.0071**	**0.0146J**	<2	<2	**5J**	NA	**7J**	**39**	**6J**	**8J**	**2900**	<4
5/8/98	**0.09**	**0.094**	<50	<50	<50	<100	<50	NA	NA	<50	**1800**	<100
8/26/98	**0.05**	**0.021**	<125	<125	<125	<250	<125	NA	NA	<125	**5500**	<250
11/17/98	**0.05**	**0.023**	<250	<250	<250	<500	<250	NA	NA	<250	**5000**	<500
5/25/99	**0.02**	<0.005	<120	<120	<120	<250	<120	NA	NA	<120	**6000**	<250
8/24/99	<0.02	**0.016**	<250	<250	<250	<500	<250	NA	NA	<250	**7800**	<500
11/16/99	<0.02	**0.008**	<250	<250	<250	<500	<250	NA	NA	<250	**8000**	<500
5/23/00	<0.02	**0.021**	<250	<250	<250	<500	<250	NA	NA	<250	**12000**	<500
8/23/00	<0.02	**0.012**	<250	<250	<250	<500	<250	NA	NA	<250	**7000**	<500
5/22/01	<0.02	**0.012**	<250	<250	<250	<500	<250	NA	NA	<250	**6000**	<500
8/30/01	<0.02	**0.012**	<250	<250	<250	<500	<250	NA	NA	<250	**5700**	<500
6/18/02	<0.02	**0.008**	<500	<500	<500	<1000	<500	NA	NA	<500	**7200**	<1000
9/18/02	<0.02	**0.012**	<125	<125	<125	<250	<125	NA	NA	<125	**4500**	<250
9/11/03	<0.02	<0.005	<120	<120	<120	<250	<120	<120	<120	<120	**5000**	<250
5/19/04	<0.02	**0.045**	<120	<120	<120	NA	<120	<120	<120	<120	**3800**	<250
8/18/04	<0.020	**0.0229**	<250	<250	<250	NA	<250	<250	<250	<250	**3500**	<250
5/12/05	<0.020	**0.0269**	<500	<500	<500	<500	<500	<500	<500	<500	**3800**	<500
9/22/05	<0.020	**0.0232**	<500	<500	<500	<500	<500	<500	<500	<500	**4100**	<500
5/23/06	<0.020	**0.0213**	<250	<250	<250	<250	<250	<250	<250	<250	**4700**	<250
8/24/06	<0.020	**0.0332**	<500	<500	<500	NA	<500	<500	<500	<500	**5100**	<500
5/29/07	<0.020	**0.0064 J**	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	**6300**	<1000
8/6/07	<.02	**0.01**	<250	<250	<250	<500	<250	<250	<250	<250	**5400**	<500
6/25/08	<0.02	**0.008**	<250	<250	<250	<250	<250	<250	<250	<250	**3700**	<250
8/26/08	<0.02	<0.005	<250	<250	<250	<500	<250	<250	<250	<250	**3900**	<500
5/20/09	<0.02	**0.0095**	<250	<250	<250	<500	<250	<250	<250	<250	**5900**	<500
8/12/09	<0.02	<0.0052	<100	<100	<100	<200	<100	<100	<100	<100	**3400**	<200
5/6/10	<0.020	<0.0047	<50	<50	<50	<100	<50	<50	<50	<50	**1000**	<100
9/1/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/28/10	NA	NA	<50	<50	<50	<100	<50	<50	<50	<50	**2000 E**	<100
5/26/11	<0.02	<0.005	<50	<50	<50	<100	<50	<50	<50	<50	**1300**	<100
8/30/11	<0.02	<0.0047	<50	<50	<50	<100	<50	<50	<50	<50	**940**	<100
5/23/12	<0.02	<0.0051	<25	<25	<25	<50	<25	**14 J**	<25	<25	**700**	<50
8/22/12	<0.02	<0.0051	<50	<50	<50	<100	<50	**18 J**	<50	<50	**980**	<100
5/14/13	< 0.02	< 0.0027	< 10	< 10	< 10	< 20	< 10	**6.1 J**	< 10	< 10	**240**	< 20
8/28/13	< 0.02	**0.0035 B**	< 10	< 10	< 10	< 20	**2.7 J**	**8.5 J**	< 10	< 10	**260**	< 20
5/20/14	<0.02	**0.010 B**	<10	<10	<10	<20	<10	<10	<10	<10	**230**	<20
8/12/14	<0.02	**0.0159**	<10	<10	<10	<20	<10	<10	<10	<10	**210**	<20
5/26/15	<0.02	**0.0088 B**	<10	<10	<10	<20	<10	<10	<10	<10	**250**	<20
8/25/15	<0.020	<0.0099	<10	<10	<10	<20	<10	<10	<10	<10	**290**	<20
5/10/16	<0.020	<0.0099	<25	<25	<25	<50	<25	<25	<25	<25	**550**	<50
8/18/16	<0.020	<0.0069	<25	<25	<25	<50	<25	<25	<25	<25	**510**	<50
8/22/17	NA	NA	<10	<10	<10	<20	<10	<10	<10	<10	**210**	<20
8/28/18	NA	NA	<25	<25	<25	<50	<25	<25	<25	<25	**410**	<50

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-11												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
1/22/98	<0.0005	<0.0066	<1	<1	<1	NA	<1	<2	<2	<1	<1	<2
5/8/98	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
8/25/98	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
11/17/98	<0.02	**0.006**	<5	<5	<5	<10	<5	NA	NA	<5	**180**	<10
5/24/99	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
8/23/99	<0.02	**0.006**	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
11/15/99	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
5/23/00	<0.02	**0.008**	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
8/22/00	<0.02	**0.007**	<5	<5	**6**	<10	<5	NA	NA	<5	<5	<10
5/21/01	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
8/29/01	<0.02	**0.007**	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
6/17/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/16/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/10/03	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/19/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/18/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/12/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/22/05	<0.02	**0.0050B**	<10	<10	<10	<10	<10	<10	<10	<10	**3J**	<10
5/23/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/24/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/30/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/6/07	<0.02	<.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
6/25/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/25/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/20/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/12/09	<0.02	<0.0052	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/7/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/1/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/26/11	<0.02	**0.0267**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/31/11	<0.02	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/24/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/24/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/13/13	< 0.02	< 0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
8/27/13	< 0.02	<0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/20/14	<0.02	**0.0062 B**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/11/14	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/27/15	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/25/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/10/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/18/16	<0.020	<0.0069	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/28/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-12												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
8/23/1999	<0.02	**0.008**	<5	<5	<5	<10	<5	NA	NA	<5	**110**	<10
11/16/1999	<0.02	**0.005**	<5	<5	<5	<10	<5	NA	NA	<5	**120**	<10
5/24/2000	<0.02	**0.006**	<5	<5	<5	<10	<5	NA	NA	<5	**120**	<10
8/22/2000	<0.02	<0.005	<5	<5	**7**	<10	<5	NA	NA	<5	**83**	<10
5/21/2001	<0.02	<0.005	<5	<5	**7**	<10	<5	NA	NA	<5	**79**	<10
8/30/2001	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**86**	<10
6/19/2002	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**75**	<10
9/17/2002	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**110**	<10
9/11/2003	<0.02	<0.005	<5	<5	<5	<10	<5	**9.8**	<5	<5	**120**	<10
5/18/2004	NA	NA	<5	<5	<5	NA	<5	**8.5**	<5	<5	**96**	<10
8/17/2004	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	**110**	<10
5/12/2005	NA	NA	<10	<10	<10	<10	**3J**	**6J**	**2J**	<10	**160**	<10
9/23/2005	NA	NA	<10	<10	<10	<10	**3J**	**6J**	**2J**	<10	**160**	<10
5/23/2006	NA	NA	<20	<20	<20	<20	<20	**10J**	<20	<10	**210**	<10
8/24/2006	NA	NA	<20	<20	<20	<20	<20	**13J**	<20	<10	**380**	<10
5/30/2007	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	**5 J**	<10.0	<10.0	**170**	<10.0
8/6/2007	NA	NA	<10	<10	<10	<20	<10	<10	<10	<10	**270**	<20
6/25/2008	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**120**	<10
8/25/2008	NA	NA	<5	<5	<5	<10	<5	**8.7**	<5	<5	**190**	<10
5/20/2009	NA	NA	<5	<5	<5	<10	<5	**5.7**	<5	<5	**140**	<10
8/13/2009	NA	NA	<5	<5	<5	<10	<5	**7.4**	<5	<5	**130**	<10
5/7/2010	NA	NA	<5	<5	<5	<10	<5	**4.4 J**	<5	<5	**93**	<10
8/30/2010	NA	NA	<5	<5	<5	<10	<5	**5.6**	<5	<5	**99**	<10
8/22/17	NA	NA	<5	<5	<5	<10	<5	**13**	<5	<5	**39**	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-13												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
8/23/99	<0.02	<0.005	<10	<10	<10	<20	<10	NA	NA	<10	**290**	<20
11/16/99	<0.02	<0.005	<50	<50	<50	<100	<50	NA	NA	<50	**750**	<100
5/24/00	<0.02	<0.005	<5	<5	<5	<10	**14**	NA	NA	<5	**530**	<10
8/23/00	<0.02	<0.005	<25	<25	<25	<50	<25	NA	NA	<25	**650**	<50
5/21/01	<0.02	**0.005**	<50	<50	<50	<100	<50	NA	NA	<50	**840**	<100
8/30/01	<0.02	**0.006**	<50	<50	<50	<100	<50	NA	NA	<50	**940**	<100
6/18/02	<0.02	<0.005	<25	<25	<25	<50	<25	NA	NA	<25	**600**	<50
9/18/02	<0.02	<0.005	<50	<50	<50	<100	<50	NA	NA	<50	**700**	<100
9/11/03	<0.02	<0.005	<25	<25	<25	<50	<25	**59**	<25	<25	**800**	<50
5/19/04	<0.02	<0.005	<25	<25	<25	NA	<25	**46**	<25	<25	**740**	<50
8/18/04	<0.020	**0.0027B**	<50	<50	<50	NA	<50	**44J**	<50	<50	**740**	<50
5/12/05	<0.020	**0.0084B**	<100	<100	<100	<100	<100	<100	<100	<100	**950**	<100
9/22/05	<0.020	<0.0023	<50	<50	<50	<50	<50	**26J**	<50	<50	**540**	<50
5/23/06	<0.020	**0.0048B**	<50	<50	<50	<50	<50	**48J**	<50	<50	**600**	<50
8/24/06	<0.020	**0.0138**	<100	<100	<100	<100	<100	**62J**	<100	<100	**1000**	<100
5/30/07	<0.020	**0.010 J**	<100	<100	<100	<100	<100	**48 J**	<100	<100	**1000**	<100
8/7/07	<0.02	**0.006**	<50	<50	<50	<100	<50	**66**	<50	<50	**1600**	<100
6/25/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/25/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/20/09	<0.02	**0.0074**	<50	<50	<50	<100	<50	**81**	<50	<50	**1300**	<100
8/12/09	<0.02	**0.0199**	<50	<50	<50	<100	<50	**66**	<50	<50	**1000**	<100
5/6/10	<0.020	<0.0047	<25	<25	<25	<50	<25	**32**	<25	<25	**510**	<50
9/1/10	<0.020	<0.0047	<10	<10	<10	<20	<10	**17**	<10	<10	**270**	<20
10/28/10	NA	NA	<25	<25	<25	<50	<25	**31**	<25	<25	**410**	<50
5/26/11	<0.02	<0.005	<25	<25	<25	<50	<25	**38**	<25	<25	**1000 E**	<50
8/31/11	<0.02	<0.0047	<25	<25	<25	<50	<25	**18 J**	<25	<25	**440**	<50
5/23/12	<0.02	**0.0076 B**	<25	<25	<25	<50	**15 J**	**69**	**13 J**	<25	**560**	<50
8/23/12	<0.02	<0.0051	<25	<25	<25	<50	**20 J**	**120**	**16 J**	<25	**850**	<50
5/14/13	< 0.02	**0.0053 B**	< 10	< 10	< 10	< 20	**5.7 J**	**39**	**6 J**	< 10	**390**	< 20
8/28/13	< 0.02	<0.0027	< 25	< 25	< 25	< 50	< 25	**51**	< 25	< 25	**320**	< 50
5/21/14	<0.02	**0.0117**	<5	<5	<5	<10	<5	**59**	<5	<5	**130**	<10
8/12/14	<0.02	<0.0028	<5	<5	<5	<10	<5	**69**	<5	<5	**26**	<10
5/27/15	<0.02	<0.0028	<50	<50	<50	<100	<50	<50	<50	<50	**480**	<100
8/26/15	<0.020	**0.0732**	<50	<50	<50	<100	<50	<50	<50	<50	**470**	<100
5/10/16	<0.020	<0.0099	<25	<25	<25	<50	<25	**40**	<25	<25	**390**	<50
8/18/16	<0.020	<0.0069	<10	<10	<10	<20	<10	**56**	<10	<10	**190**	<20
8/22/17	NA	NA	<10	<10	<10	<20	<10	**60**	<10	<10	**100**	<20
8/27/18	NA	NA	<5	<5	<5	<10	<5	**24**	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

	MW-14											
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
8/22/00	<0.02	**0.011**	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
5/21/01	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
8/30/01	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
6/19/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/17/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/12/03	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/18/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	<5	<10
8/16/04	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	<10	<10
5/12/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
9/23/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/23/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/24/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/30/07	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**17**	<10.0
8/7/07	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
6/25/08	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/25/08	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/20/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/11/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/7/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/30/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/26/11	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/31/11	<0.02	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/23/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**10**	<10
8/23/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**3.5 J**	<10
5/14/13	< 0.02	< 0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
8/28/13	< 0.02	<0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/21/14	<0.02	<0.0027	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/12/14	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/27/15	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/25/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/10/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/19/16	<0.020	<0.0069	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-15												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
8/22/00	<0.02	**0.009**	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
5/21/01	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
8/30/01	<0.02	**0.005**	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
6/19/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/17/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/12/03	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/18/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	<5	<10
8/16/04	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	<10	<10
5/12/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
9/23/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/23/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/25/06	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/30/07	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
8/7/07	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
6/25/08	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/25/08	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/20/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/11/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/7/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/30/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/26/11	NA	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**11**	<10
8/31/11	<0.02	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/22/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**57**	<10
8/23/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**4.8 J**	<10
5/15/13	< 0.02	< 0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
8/29/13	< 0.02	<0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/21/14	<0.02	<0.0027	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/12/14	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/28/15	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/26/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/10/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/19/16	<0.020	<0.0069	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-16												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
6/19/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/17/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**33**	<10
9/11/03	<0.02	<0.005	<10	<10	<10	<20	<10	**26**	<10	<10	**400**	<20
5/16/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	**33**	<10
8/18/04	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	**43**	<10
5/12/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**7J**	<10
9/23/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**10**	<10
5/23/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**6J**	<10
8/24/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**14**	<10
5/30/07	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**8 J**	<10.0
8/7/07	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**12**	<10
6/24/08	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/26/08	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/21/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**3.3 J**	<10
8/12/09	<0.02	<0.0052	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/7/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/31/10	<0.020	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	**4.3 J**	<10
5/26/11	<0.02	<0.005	<5	<5	**4.4 J**	<10	<5	<5	<5	<5	<5	<10
8/31/11	<0.02	<0.0047	<5	<5	<5	<10	<5	**2.4 J**	<5	<5	<5	<10
5/24/12	<0.02	**0.0071 B**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/23/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**1.8 J**	<10
5/14/13	< 0.02	**0.0125**	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	**7.7**	< 10
8/27/13	< 0.02	<0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/21/14	<0.02	**0.0246**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/12/14	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/27/15	<0.02	**0.004 B**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/26/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/11/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/19/16	<0.020	**0.0096 B**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/22/17	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-17												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
6/19/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	**67**	<10
9/17/02	<0.02	<0.005	<50	<50	<50	<100	<50	NA	NA	<50	**700**	<100
9/11/03	<0.02	<0.005	<5	<5	<5	<10	**9.9**	**35**	<5	<5	**1100**	<10
5/18/04	NA	NA	<5	<5	<5	NA	<5	**20**	<5	<5	**550**	<10
8/17/04	NA	NA	<50	<50	<50	NA	<50	**13J**	<50	<50	**590**	<50
5/12/05	NA	NA	<50	<50	<50	<50	<50	<50	<50	<50	**610**	<50
9/23/05	NA	NA	<50	<50	<50	<50	<50	**14J**	<50	<50	**610**	<50
5/23/06	NA	NA	<50	<50	<50	<50	<50	**26J**	<50	<50	**530**	<50
8/25/06	NA	NA	<50	<50	<50	<50	<50	<50	<50	<50	**920**	<50
5/29/07	NA	NA	<200	<200	<200	<200	<200	<200	<200	<200	**1400**	<200
8/7/07	<0.02	<.005	<100	<100	<100	<200	<100	<100	<100	<100	**2300**	<200
6/24/08	NA	NA	<50	<50	<50	<50	<50	<50	<50	<50	**530**	<50
8/26/08	<0.02	<0.005	<10	<10	<10	<20	<10	**11**	<10	<10	**320**	<20
5/21/09	NA	NA	<10	<10	<10	<20	<10	<10	<10	<10	**320**	<20
8/12/09	<0.02	<0.0052	<25	<25	<25	<50	<25	**48**	<25	<25	**600**	<50
5/7/10	NA	NA	<50	<50	<50	<100	**20 J**	**76**	<50	<50	**1900**	<100
8/31/10	<0.020	<0.0047	<50	<50	<50	<100	<50	**85**	<50	<50	**2100 E**	<100
5/26/11	<0.02	<0.005	<100	<100	<100	<200	<100	**49 J**	<100	<100	**2600**	<200
8/31/11	<0.02	<0.0047	<10	<10	<10	<20	<10	**8.5 J**	<10	<10	**280**	<20
5/24/12	<0.02	**0.0055 B**	<5	<5	<5	<10	<5	**6.2**	<5	<5	**99**	<10
8/23/12	<0.02	<0.0051	<50	<50	<50	<100	**25 J**	**65**	<50	<50	**1600**	<100
5/14/13	< 0.02	< 0.0027	< 10	< 10	< 10	< 20	**12**	**550 D**	**7.8 J**	< 10	**320**	< 20
8/27/13	< 0.02	**0.0040 B**	< 25	< 25	< 25	< 50	< 25	**36**	< 25	< 25	**170**	< 50
5/21/14	<0.02	**0.0056 B**	<25	<25	<25	<50	<25	**68**	<25	<25	**400**	<50
8/12/14	<0.02	<0.0028	<25	<25	<25	<50	<25	**280**	<25	<25	<25	<50
5/26/15	<0.02	<0.0028	<5	<5	<5	<10	<5	**20**	<5	<5	**33**	<10
8/25/15	<0.020	<0.0099	<5	<5	<5	<10	<5	**46**	<5	<5	<5	<10
5/11/16	<0.020	<0.0099	<5	<5	<5	<10	<5	**13**	<5	<5	<5	<10
8/19/16	<0.020	<0.0069	<5	<5	<5	<10	<5	**28**	<5	<5	<5	<10
8/22/17	NA	NA	<5	<5	<5	<10	<5	**9.1**	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	**6.9**	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-18												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
6/19/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/17/02	<0.02	<0.005	<5	<5	<5	<10	<5	NA	NA	<5	<5	<10
9/12/03	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**6.7**	<10
5/18/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	**6.7**	<10
8/17/04	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	**4J**	<10
5/12/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**7J**	<10
9/23/05	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**13**	<10
5/23/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**7J**	<10
8/25/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	**13**	<10
5/30/07	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**9 J**	<10.0
8/7/07	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**11**	<10
6/25/08	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/25/08	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**11**	<10
5/20/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**9.4**	<10
8/12/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**8**	<10
5/7/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
9/1/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/26/11	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**9.1**	<10
8/31/11	<0.02	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	**2.6 J**	<10
5/23/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**12**	<10
8/24/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	**2.5 J**	<10
5/14/13	< 0.02	< 0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	**2.9 J**	< 10
8/28/13	< 0.02	**0.0052 B**	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/20/14	<0.02	<0.0027	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/11/14	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/27/15	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/26/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/11/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/18/16	<0.020	<0.0069	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-19												
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/11/03	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
1/7/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	<5	<10
5/18/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	<5	<10
8/17/04	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	<10	<10
5/12/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
9/23/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/23/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/23/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/30/07	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
8/7/07	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
6/24/08	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/25/08	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/20/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	**14**	<10
8/11/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/7/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/1/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/26/11	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**12**	<10
8/31/11	<0.02	<0.0047	<5	<5	**5 J**	<10	<5	<5	<5	<5	<5	<10
5/23/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/24/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/15/13	< 0.02	< 0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	**5.3**	< 10
8/27/13	< 0.02	<0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/21/14	<0.02	**0.0096 B**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/12/14	<0.02	**0.0118**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/27/15	<0.02	<0.0028	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/26/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/11/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/19/16	<0.020	<0.0069	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

	MW-20											
	METALS (mg/L)		VOCs (µg/L)									
	Hexavalent Chromium	Total Chromium	Carbon Tetrachloride	Chloro-benzene	Chloroform	Dichloro-difluoromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride
NYSDEC STANDARD	**0.05**	**0.05**	**5**	**5**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
9/11/03	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
1/7/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	<5	<10
5/18/04	NA	NA	<5	<5	<5	NA	<5	<5	<5	<5	<5	<10
8/16/04	NA	NA	<10	<10	<10	NA	<10	<10	<10	<10	<10	<10
5/12/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
9/23/05	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5/23/06	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/25/06	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/30/07	NA	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
8/7/07	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
6/24/08	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/26/08	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/20/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/11/09	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/7/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/31/10	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/26/11	<0.02	<0.005	<5	<5	<5	<10	<5	<5	<5	<5	**21**	<10
8/31/11	<0.02	<0.0047	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/22/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/24/12	<0.02	<0.0051	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/15/13	< 0.02	**0.0166**	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
8/27/13	< 0.02	<0.0027	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
5/21/14	<0.02	**0.0101**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/12/14	<0.02	**0.116**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/27/15	<0.02	**0.0119**	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/26/15	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
5/11/16	<0.020	<0.0099	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/19/16	<0.020	<0.0069	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
8/27/18	NA	NA	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

Table 3
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

Notes:
* From duplicate sample
NA - not analyzed
NS - not sampled
BOLD = parameter was detected
BOLD & shaded = value exceeds the NYSDEC Standard
B - Contamination in associated method blank
D - Initial result was outside the calibration range; sample re-analyzed at dilution
E - estimated value outside of the calibration range
J - estimated value below the detection limit

[a] In the August 2017 event, wells MW-7 and MW-9 could not be located. They were subsequently located and sampled on 10/5/2017.

Beginning in 2017, semiannual groundwater monitoring conducted according to the "Site Management Plan, Ward Products Site, Site # 4-29-004, Amsterdam, New York" (AECOM, February 2011), as modified by NYSDEC's letter dated January 23, 2017 amending the Site Management Plan. This modification added six wells back into the sampling program, removed the requirement for hexavalent chromium analysis, changed the wells to be sampled for total chromium, and changed the sampling frequency to annual, with some wells on a biannual schedule.

Table 4
August 2018 Settling Basin Sediment Sampling Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

Constituent	Units	Screening Levels [1]			Sample Results
		NYSDEC LEL [2]	NYSDEC SEL [2]	Recreational Soil/ Sediment [3]	Sam Stratton 8/29/2018
Cadmium	mg/kg	0.6	9	450	29.6
Chromium (total)	mg/kg	26	110	450	144
Nickel	mg/kg	16	50	20,000	<109
Zinc	mg/kg	120	270	100,000	3660

Notes:

(1) From Table 3-1 of the *Feasibility Study Report and Risk Assessment, Ward Products Corporation Site, Amsterdam, New York, Site Code 4-29-004* (RETEC, September 25, 2006).

(2) NYSDEC Sediment Criteria for Protection of Benthic Organisms. LEL = Lowest Effect Level. SEL = Severe Effect Level.

(3) Protection of Human Health, Recreational Soil/Sediment value based on EPA Region IX Preliminary Remediation Goals , dated October 2004 (risk factor = 10^{-6} or Hazard Quotient = 1.0), assuming recreational exposure is less than the industrial exposure scenario.

Attachment A – August 2018 Laboratory Results (*only included with the original*)

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September 25, 2018

Jennifer Atkins
AECOM Environment
250 Apollo Drive
Chelmsford, MA 01824

TEL: (978) 905-2112

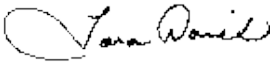
Work Order No: 180829015
PO#: 85949
Project# : 60532721-700

RE: Ward Products Amsterdam

Dear Jennifer Atkins:

Adirondack Environmental Services, Inc received 18 samples on 8/29/2018 for the analyses presented in the following report.

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed in the Case Narrative. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature."



Tara Daniels
Laboratory Director

Workorder Sample Summary

Client: AECOM Environment

Work Order: 180829015

ProjectName: Ward Products Amsterdam

ProjLocation:

AES Sample No	ClientSampID	Matrix	CollectionDate	DateReceived
180829015-001	MW-13 082718	Groundwater	8/27/2018 10:10:00 AM	8/29/2018
180829015-002	MW-14 082718	Groundwater	8/27/2018 10:16:00 AM	8/29/2018
180829015-003	MW-15 082718	Groundwater	8/27/2018 11:15:00 AM	8/29/2018
180829015-004	MW-19 082718	Groundwater	8/27/2018 12:45:00 PM	8/29/2018
180829015-005	MW-20 082718	Groundwater	8/27/2018 11:15:00 AM	8/29/2018
180829015-006	MW-17 082718	Groundwater	8/27/2018 2:05:00 PM	8/29/2018
180829015-007	MW-16 082718	Groundwater	8/27/2018 2:15:00 PM	8/29/2018
180829015-008	MW-18 082718	Groundwater	8/27/2018 3:12:00 PM	8/29/2018
180829015-009	MW-1R 082818	Groundwater	8/28/2018 11:22:00 AM	8/29/2018
180829015-010	MW-4 082818	Groundwater	8/28/2018 1:30:00 PM	8/29/2018
180829015-011	MW-4R 082818	Groundwater	8/28/2018 12:35:00 PM	8/29/2018
180829015-012	MW-10 082818	Groundwater	8/28/2018 2:58:00 PM	8/29/2018
180829015-013	MW-11 082818	Groundwater	8/28/2018 10:22:00 AM	8/29/2018
180829015-014	MW-1R 082818	Groundwater	8/28/2018 11:22:00 AM	8/29/2018
180829015-015	MW-4 082818	Groundwater	8/28/2018 1:30:00 PM	8/29/2018
180829015-016	MW-4R 082818	Groundwater	8/28/2018 12:35:00 PM	8/29/2018
180829015-017	DUP 082818	Groundwater	8/28/2018	8/29/2018
180829015-018	Trip Blank Lot# VOA F36.1	Trip Blank	8/28/2018	8/29/2018

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Case Narrative

Client: AECOM/ Chelmsford – Ward Products

Case: 180829015

SDG: MW-1R 082818

Volatile Organics

1) The samples were analyzed using EPA Method 8260 following the criteria for NYSDEC ASP.

2) The samples received on 8/29/17 had a temperature of 4 ^{o}C.

3) The water samples were preserved with HCl to a pH of less than 2. All samples were analyzed within the required holding times.

4) The %RSD's for the compounds Bromomethane, 1,2-Dibromo-3-chloropropane and 1,2,4-Trichlorobenzene in the initial calibration analyzed on 9/7/18 were outside the criteria established by the method. The %RSD's for these compounds were 30.74 %, 22.99 % and 23.71 %, respectively. These compounds were quantitated using linear regression as specified by the method.

5) The Continuing Calibration analyzed on 9/7/18 had a low recovery for the compound 1,2,4-Trichlorobenzene. The samples associated with this Continuing Calibration are flagged with a "C" to denote the low recovery for 1,2,4-Trichlorobenzene.

6) The Continuing Calibration analyzed on 9/10/18 had a low recovery for the compound Acetone. The samples associated with this Continuing Calibration are flagged with a "C" to denote the low recovery for Acetone.

7) Sample MW-1R 082818 (AES sample number 180829015-009) was used for the water matrix spike and the matrix spike duplicate analysis. The matrix spike had acceptable recoveries for all compounds. The matrix spike duplicate had recoveries for several compounds that were outside the specified limit. Sample MW-1R 082818 (AES sample number 180829015-009) is not flagged since all recoveries in the matrix spike were within acceptable limits.

8) The Laboratory Control Sample (LCS) analyzed on 9/7/18 had a low recovery for the compound Acetone. The samples associated with this LCS are flagged with an "S" to denote the low recovery for Acetone.

9) The Laboratory Control Sample (LCS) analyzed on 9/10/17 had a low recovery for the compound Acetone. The Laboratory Control Sample Duplicate (LCSD) analyzed on 9/11/17 had a low recovery for the compound Acetone and a high recovery for the compound Methyl Acetate. The samples associated with this LCS are flagged with an "S" to denote the low recovery for Acetone.

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10) The column used in Instrument D for analysis was a DB-624, 20 meters long with an internal diameter of 0.18 mm. The trap used for this instrument is a VOCARB 4000 with Carbopack C&B / Carboxen 1000 & 1001.

Inorganics – Total Metals

1) The samples were analyzed for Total Chromium only.

2) The recovery for Aluminum, Calcium, Iron and Magnesium in the ICSA and the ICSAB check standards may be outside the required limit. The required concentration for these analytes in the check standards is 500,000 ug/L, 500,000 ug/L, 200,000 ug/L and 500,000 ug/L, respectively. The linear range on this instrument for Aluminum, Calcium, Iron and Magnesium is 250,000 ug/L, 250,000 ug/L, 100,000 ug/L and 250,000 ug/L, respectively. At this level accurate recovery of Aluminum, Calcium, Iron and Magnesium in the check standards is not possible. No further action is required.

3) Sample MW-1R 082818 (AES sample number 180829015-014) was used as the matrix spike and duplicate sample. All the recoveries were within acceptable limits.

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laboratory Director

Date: 9/25/18

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 180829015

Client Name:	Address:	
AECOM	40 British American Blvd	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jennifer.Atkins@aecom.com	Ward Products	GD + AG
Client Phone No:	**Client Email:**	**PO Number:**
518-384-4212	—	60532721
		Samplers: (Signature)

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	MW-13 082718	8/27/18	1010 A	GW		X	2	VOC - 8260
002	MW-14 082718		1016 A			X	2	
003	MW-15 082718		1115 A			X	2	
004	MW-19 082718		1245 P			X	2	
005	MW-20 082718		1115 A			X	2	
006	MW-17 082718		1405 P			X	2	
007	MW-16 082718		1415 P			X	2	
008	MW-18 082718		1512 P			X	2	
009	MW-1R 082818	8/28/18	1122 A			X	2	
010	MW-4 082818		1330 A			X	2	
011	MW-4R 082818		1235 A			X	2	
012	MW-10 082818		1458 A			X	2	
013	MW-11 082818		1022 A			X	2	

Shipment Arrived Via: FedEx UPS Client AES Other: ✓

CC Report To / Special Instructions/Remarks: Pg 1 of 2

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/29/18 - 0800
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		8/29/18 803Am

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 4°C		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 180829015

Client Name:	Address:		
AECOM	40 British American Blvd		
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**	
Jennifer.Atkins@aecom.com	Ward Products	GD + AI	
Client Phone No:	**Client Email:**	**PO Number:**	**Samplers: (Signature)**
518-384-4212	-	60532721	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
014	MW-1R 082818	8/28/18	1122	A P	GW		X	1	~~ICP Metals~~ 6010-Chromium
015	MW-4 082818		1330	A P			X	1	
016	MW-4R 082818		1235	A P			X	1	
017	DUP 082818		-	A P			X	3	VOC-8260 + ~~ICP Metals~~ 6010-Chromium
009	MS/MSD 082818		1122	A P			X	3	VOC-8260 + ~~ICP Metals~~ 6010-Chromium
018	Trip Blanks Lot# VOA-F36.10 on 8/28/18	-	-	A P	-		-	1	VOC-8260
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via:
FedEx UPS Client AES Other: V

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
Pg. 2 of 2
MS/MSD from MW-1R.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/29/18-0800
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		8/29/18 803

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 1.0 C		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Servic

180829015

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-13 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 10:10:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-001
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Chloromethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Bromomethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Chloroethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Acetone	***ND***	10	SC	µg/L	1	9/10/2018 5:57:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
cis-1,2-Dichloroethene	***24***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
2-Butanone	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Benzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Toluene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Styrene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-13 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 10:10:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-001
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Surr: 1,2-Dichloroethane-d4	***94.1***	80.9-122		%REC	1	9/10/2018 5:57:00 PM
Surr: 4-Bromofluorobenzene	***100***	76.5-125		%REC	1	9/10/2018 5:57:00 PM
Surr: Toluene-d8	***103***	80.4-121		%REC	1	9/10/2018 5:57:00 PM

Qualifiers:

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X - Value exceeds Maximum Contaminant Level
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S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-14 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 10:16:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-002
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 6:58:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-14 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 10:16:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-002
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 6:58:00 PM
Surr: 1,2-Dichloroethane-d4	***84.4***	80.9-122		%REC	1	9/7/2018 6:58:00 PM
Surr: 4-Bromofluorobenzene	***113***	76.5-125		%REC	1	9/7/2018 6:58:00 PM
Surr: Toluene-d8	***90.0***	80.4-121		%REC	1	9/7/2018 6:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-15 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 11:15:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-003
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Chloromethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Bromomethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Chloroethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Acetone	***ND***	10	SC	µg/L	1	9/10/2018 5:14:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
2-Butanone	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Benzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Toluene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Styrene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-15 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 11:15:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-003
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Surr: 1,2-Dichloroethane-d4	***94.1***	80.9-122		%REC	1	9/10/2018 5:14:00 PM
Surr: 4-Bromofluorobenzene	***97.6***	76.5-125		%REC	1	9/10/2018 5:14:00 PM
Surr: Toluene-d8	***102***	80.4-121		%REC	1	9/10/2018 5:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-19 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 12:45:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-004
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 7:41:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-19 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 12:45:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-004
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 7:41:00 PM
Surr: 1,2-Dichloroethane-d4	***92.7***	80.9-122		%REC	1	9/7/2018 7:41:00 PM
Surr: 4-Bromofluorobenzene	***96.5***	76.5-125		%REC	1	9/7/2018 7:41:00 PM
Surr: Toluene-d8	***104***	80.4-121		%REC	1	9/7/2018 7:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-20 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 11:15:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-005
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Chloromethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Bromomethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Chloroethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Acetone	***ND***	10	SC	µg/L	1	9/10/2018 5:35:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
2-Butanone	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Benzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Toluene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Styrene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-20 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 11:15:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-005
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Surr: 1,2-Dichloroethane-d4	***93.7***	80.9-122		%REC	1	9/10/2018 5:35:00 PM
Surr: 4-Bromofluorobenzene	***103***	76.5-125		%REC	1	9/10/2018 5:35:00 PM
Surr: Toluene-d8	***104***	80.4-121		%REC	1	9/10/2018 5:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-17 082718
Collection Date: 8/27/2018 2:05:00 PM
Lab Sample ID: 180829015-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 5:54:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
cis-1,2-Dichloroethene	***6.9***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-17 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:05:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-006
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 5:54:00 PM
Surr: 1,2-Dichloroethane-d4	***92.1***	80.9-122		%REC	1	9/7/2018 5:54:00 PM
Surr: 4-Bromofluorobenzene	***109***	76.5-125		%REC	1	9/7/2018 5:54:00 PM
Surr: Toluene-d8	***103***	80.4-121		%REC	1	9/7/2018 5:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-16 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:15:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-007
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 5:33:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-16 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:15:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-007
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 5:33:00 PM
Surr: 1,2-Dichloroethane-d4	***89.3***	80.9-122		%REC	1	9/7/2018 5:33:00 PM
Surr: 4-Bromofluorobenzene	***88.7***	76.5-125		%REC	1	9/7/2018 5:33:00 PM
Surr: Toluene-d8	***102***	80.4-121		%REC	1	9/7/2018 5:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-18 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 3:12:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-008
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 8:24:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-18 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 3:12:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-008
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 8:24:00 PM
Surr: 1,2-Dichloroethane-d4	***97.3***	80.9-122		%REC	1	9/7/2018 8:24:00 PM
Surr: 4-Bromofluorobenzene	***99.7***	76.5-125		%REC	1	9/7/2018 8:24:00 PM
Surr: Toluene-d8	***106***	80.4-121		%REC	1	9/7/2018 8:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-1R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 11:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-009
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 6:16:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Trichloroethene	***43***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-1R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 11:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-009
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 6:16:00 PM
Surr: 1,2-Dichloroethane-d4	***94.8***	80.9-122		%REC	1	9/7/2018 6:16:00 PM
Surr: 4-Bromofluorobenzene	***105***	76.5-125		%REC	1	9/7/2018 6:16:00 PM
Surr: Toluene-d8	***109***	80.4-121		%REC	1	9/7/2018 6:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 1:30:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-010
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 6:37:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
cis-1,2-Dichloroethene	***29***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Trichloroethene	***83***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 1:30:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-010
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 6:37:00 PM
Surr: 1,2-Dichloroethane-d4	***92.4***	80.9-122		%REC	1	9/7/2018 6:37:00 PM
Surr: 4-Bromofluorobenzene	***105***	76.5-125		%REC	1	9/7/2018 6:37:00 PM
Surr: Toluene-d8	***105***	80.4-121		%REC	1	9/7/2018 6:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 12:35:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-011
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Chloromethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Bromomethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Vinyl chloride	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Chloroethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Methylene chloride	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Acetone	***ND***	1000	S	µg/L	100	9/7/2018 10:11:00 PM
Carbon disulfide	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1-Dichloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1-Dichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
trans-1,2-Dichloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
cis-1,2-Dichloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Chloroform	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
2-Butanone	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
1,1,1-Trichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Carbon tetrachloride	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Bromodichloromethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dichloropropane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
cis-1,3-Dichloropropene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Trichloroethene	***7500***	500		µg/L	100	9/7/2018 10:11:00 PM
Dibromochloromethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1,2-Trichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Benzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
trans-1,3-Dichloropropene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Bromoform	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
4-Methyl-2-pentanone	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
2-Hexanone	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Tetrachloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1,2,2-Tetrachloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Toluene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Chlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Ethylbenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Styrene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
m,p-Xylene	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
o-Xylene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Methyl tert-butyl ether	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Dichlorodifluoromethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 12:35:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-011
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Trichlorofluoromethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Cyclohexane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Methyl Cyclohexane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dibromoethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,3-Dichlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dichlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,4-Dichlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dibromo-3-chloropropane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
1,2,4-Trichlorobenzene	***ND***	500	C	µg/L	100	9/7/2018 10:11:00 PM
Surr: 1,2-Dichloroethane-d4	***92.1***	80.9-122		%REC	100	9/7/2018 10:11:00 PM
Surr: 4-Bromofluorobenzene	***99.8***	76.5-125		%REC	100	9/7/2018 10:11:00 PM
Surr: Toluene-d8	***104***	80.4-121		%REC	100	9/7/2018 10:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-10 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 2:58:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-012
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Chloromethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Bromomethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Vinyl chloride	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Chloroethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Methylene chloride	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Acetone	***ND***	50	SC	µg/L	5	9/10/2018 6:21:00 PM
Carbon disulfide	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1-Dichloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1-Dichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
trans-1,2-Dichloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
cis-1,2-Dichloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Chloroform	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
2-Butanone	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
1,1,1-Trichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Carbon tetrachloride	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Bromodichloromethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dichloropropane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
cis-1,3-Dichloropropene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Trichloroethene	***410***	25		µg/L	5	9/10/2018 6:21:00 PM
Dibromochloromethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1,2-Trichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Benzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
trans-1,3-Dichloropropene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Bromoform	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
4-Methyl-2-pentanone	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
2-Hexanone	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Tetrachloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1,2,2-Tetrachloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Toluene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Chlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Ethylbenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Styrene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
m,p-Xylene	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
o-Xylene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Methyl tert-butyl ether	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Dichlorodifluoromethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-10 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 2:58:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-012
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Trichlorofluoromethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Cyclohexane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Methyl Cyclohexane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dibromoethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,3-Dichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,4-Dichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dibromo-3-chloropropane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
1,2,4-Trichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Surr: 1,2-Dichloroethane-d4	***90.3***	80.9-122		%REC	5	9/10/2018 6:21:00 PM
Surr: 4-Bromofluorobenzene	***85.2***	76.5-125		%REC	5	9/10/2018 6:21:00 PM
Surr: Toluene-d8	***122***	80.4-121	S	%REC	5	9/10/2018 6:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-11 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 10:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-013
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 8:45:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-11 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 10:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-013
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 8:45:00 PM
Surr: 1,2-Dichloroethane-d4	***91.8***	80.9-122		%REC	1	9/7/2018 8:45:00 PM
Surr: 4-Bromofluorobenzene	***107***	76.5-125		%REC	1	9/7/2018 8:45:00 PM
Surr: Toluene-d8	***111***	80.4-121		%REC	1	9/7/2018 8:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-1R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 11:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-014
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***97.7***	5.00		µg/L	1	9/11/2018 11:59:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 1:30:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-015
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***ND***	5.00		µg/L	1	9/11/2018 12:27:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 12:35:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-016
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***ND***	5.00		µg/L	1	9/11/2018 12:31:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	DUP 082818
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-017
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***78.6***	5.00		µg/L	1	9/11/2018 12:36:00 PM
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 9:06:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Trichloroethene	***41***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM

Qualifiers:

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T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	DUP 082818
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-017
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 9:06:00 PM
Surr: 1,2-Dichloroethane-d4	***90.2***	80.9-122		%REC	1	9/7/2018 9:06:00 PM
Surr: 4-Bromofluorobenzene	***110***	76.5-125		%REC	1	9/7/2018 9:06:00 PM
Surr: Toluene-d8	***106***	80.4-121		%REC	1	9/7/2018 9:06:00 PM

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T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	Trip Blank Lot# VOA F36.1
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-018
PO#:	85949	**Matrix:**	TRIP BLANK
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 5:12:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	Trip Blank Lot# VOA F36.1
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-018
PO#:	85949	**Matrix:**	TRIP BLANK
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 5:12:00 PM
Surr: 1,2-Dichloroethane-d4	***87.5***	80.9-122		%REC	1	9/7/2018 5:12:00 PM
Surr: 4-Bromofluorobenzene	***106***	76.5-125		%REC	1	9/7/2018 5:12:00 PM
Surr: Toluene-d8	***82.2***	80.4-121		%REC	1	9/7/2018 5:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-13 082718
Collection Date: 8/27/2018 10:10:00 AM
Lab Sample ID: 180829015-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Chloromethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Bromomethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Chloroethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Acetone	***ND***	10	SC	µg/L	1	9/10/2018 5:57:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
cis-1,2-Dichloroethene	***24***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
2-Butanone	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Benzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Toluene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Styrene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-13 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 10:10:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-001
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/10/2018 5:57:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:57:00 PM
Surr: 1,2-Dichloroethane-d4	***94.1***	80.9-122		%REC	1	9/10/2018 5:57:00 PM
Surr: 4-Bromofluorobenzene	***100***	76.5-125		%REC	1	9/10/2018 5:57:00 PM
Surr: Toluene-d8	***103***	80.4-121		%REC	1	9/10/2018 5:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-14 082718
Collection Date: 8/27/2018 10:16:00 AM
Lab Sample ID: 180829015-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 6:58:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-14 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 10:16:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-002
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:58:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 6:58:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 6:58:00 PM
Surr: 1,2-Dichloroethane-d4	***84.4***	80.9-122		%REC	1	9/7/2018 6:58:00 PM
Surr: 4-Bromofluorobenzene	***113***	76.5-125		%REC	1	9/7/2018 6:58:00 PM
Surr: Toluene-d8	***90.0***	80.4-121		%REC	1	9/7/2018 6:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-15 082718
Collection Date: 8/27/2018 11:15:00 AM
Lab Sample ID: 180829015-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Chloromethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Bromomethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Chloroethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Acetone	***ND***	10	SC	µg/L	1	9/10/2018 5:14:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
2-Butanone	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Benzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Toluene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Styrene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-15 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 11:15:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-003
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/10/2018 5:14:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:14:00 PM
Surr: 1,2-Dichloroethane-d4	***94.1***	80.9-122		%REC	1	9/10/2018 5:14:00 PM
Surr: 4-Bromofluorobenzene	***97.6***	76.5-125		%REC	1	9/10/2018 5:14:00 PM
Surr: Toluene-d8	***102***	80.4-121		%REC	1	9/10/2018 5:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-19 082718
Collection Date: 8/27/2018 12:45:00 PM
Lab Sample ID: 180829015-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 7:41:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-19 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 12:45:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-004
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 7:41:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 7:41:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 7:41:00 PM
Surr: 1,2-Dichloroethane-d4	***92.7***	80.9-122		%REC	1	9/7/2018 7:41:00 PM
Surr: 4-Bromofluorobenzene	***96.5***	76.5-125		%REC	1	9/7/2018 7:41:00 PM
Surr: Toluene-d8	***104***	80.4-121		%REC	1	9/7/2018 7:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-20 082718
Collection Date: 8/27/2018 11:15:00 AM
Lab Sample ID: 180829015-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Chloromethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Bromomethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Chloroethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Acetone	***ND***	10	SC	µg/L	1	9/10/2018 5:35:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
2-Butanone	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Benzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Toluene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Styrene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-20 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 11:15:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-005
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/10/2018 5:35:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0		µg/L	1	9/10/2018 5:35:00 PM
Surr: 1,2-Dichloroethane-d4	***93.7***	80.9-122		%REC	1	9/10/2018 5:35:00 PM
Surr: 4-Bromofluorobenzene	***103***	76.5-125		%REC	1	9/10/2018 5:35:00 PM
Surr: Toluene-d8	***104***	80.4-121		%REC	1	9/10/2018 5:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-17 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:05:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-006
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 5:54:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
cis-1,2-Dichloroethene	***6.9***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-17 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:05:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-006
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:54:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 5:54:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 5:54:00 PM
Surr: 1,2-Dichloroethane-d4	***92.1***	80.9-122		%REC	1	9/7/2018 5:54:00 PM
Surr: 4-Bromofluorobenzene	***109***	76.5-125		%REC	1	9/7/2018 5:54:00 PM
Surr: Toluene-d8	***103***	80.4-121		%REC	1	9/7/2018 5:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-16 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:15:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-007
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 5:33:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-16 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 2:15:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-007
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:33:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 5:33:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 5:33:00 PM
Surr: 1,2-Dichloroethane-d4	***89.3***	80.9-122		%REC	1	9/7/2018 5:33:00 PM
Surr: 4-Bromofluorobenzene	***88.7***	76.5-125		%REC	1	9/7/2018 5:33:00 PM
Surr: Toluene-d8	***102***	80.4-121		%REC	1	9/7/2018 5:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-18 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 3:12:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-008
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 8:24:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-18 082718
Work Order:	180829015	**Collection Date:**	8/27/2018 3:12:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-008
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:24:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 8:24:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 8:24:00 PM
Surr: 1,2-Dichloroethane-d4	***97.3***	80.9-122		%REC	1	9/7/2018 8:24:00 PM
Surr: 4-Bromofluorobenzene	***99.7***	76.5-125		%REC	1	9/7/2018 8:24:00 PM
Surr: Toluene-d8	***106***	80.4-121		%REC	1	9/7/2018 8:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT: AECOM Environment
Work Order: 180829015
Reference: Ward Products Amsterdam /
PO#: 85949
Project# : 60532721-700

Client Sample ID: MW-1R 082818
Collection Date: 8/28/2018 11:22:00 AM
Lab Sample ID: 180829015-009
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 6:16:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Trichloroethene	***43***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-1R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 11:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-009
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:16:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 6:16:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 6:16:00 PM
Surr: 1,2-Dichloroethane-d4	***94.8***	80.9-122		%REC	1	9/7/2018 6:16:00 PM
Surr: 4-Bromofluorobenzene	***105***	76.5-125		%REC	1	9/7/2018 6:16:00 PM
Surr: Toluene-d8	***109***	80.4-121		%REC	1	9/7/2018 6:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 1:30:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-010
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 6:37:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
cis-1,2-Dichloroethene	***29***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Trichloroethene	***83***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 1:30:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-010
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 6:37:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 6:37:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 6:37:00 PM
Surr: 1,2-Dichloroethane-d4	***92.4***	80.9-122		%REC	1	9/7/2018 6:37:00 PM
Surr: 4-Bromofluorobenzene	***105***	76.5-125		%REC	1	9/7/2018 6:37:00 PM
Surr: Toluene-d8	***105***	80.4-121		%REC	1	9/7/2018 6:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 12:35:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-011
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Chloromethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Bromomethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Vinyl chloride	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Chloroethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Methylene chloride	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Acetone	***ND***	1000	S	µg/L	100	9/7/2018 10:11:00 PM
Carbon disulfide	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1-Dichloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1-Dichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
trans-1,2-Dichloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
cis-1,2-Dichloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Chloroform	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
2-Butanone	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
1,1,1-Trichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Carbon tetrachloride	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Bromodichloromethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dichloropropane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
cis-1,3-Dichloropropene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Trichloroethene	***7500***	500		µg/L	100	9/7/2018 10:11:00 PM
Dibromochloromethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1,2-Trichloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Benzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
trans-1,3-Dichloropropene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Bromoform	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
4-Methyl-2-pentanone	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
2-Hexanone	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
Tetrachloroethene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1,2,2-Tetrachloroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Toluene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Chlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Ethylbenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Styrene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
m,p-Xylene	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
o-Xylene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Methyl tert-butyl ether	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Dichlorodifluoromethane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 12:35:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-011
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Trichlorofluoromethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Cyclohexane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
Methyl Cyclohexane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dibromoethane	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,3-Dichlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dichlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,4-Dichlorobenzene	***ND***	500		µg/L	100	9/7/2018 10:11:00 PM
1,2-Dibromo-3-chloropropane	***ND***	1000		µg/L	100	9/7/2018 10:11:00 PM
1,2,4-Trichlorobenzene	***ND***	500	C	µg/L	100	9/7/2018 10:11:00 PM
Surr: 1,2-Dichloroethane-d4	***92.1***	80.9-122		%REC	100	9/7/2018 10:11:00 PM
Surr: 4-Bromofluorobenzene	***99.8***	76.5-125		%REC	100	9/7/2018 10:11:00 PM
Surr: Toluene-d8	***104***	80.4-121		%REC	100	9/7/2018 10:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-10 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 2:58:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-012
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Chloromethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Bromomethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Vinyl chloride	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Chloroethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Methylene chloride	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Acetone	***ND***	50	SC	µg/L	5	9/10/2018 6:21:00 PM
Carbon disulfide	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1-Dichloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1-Dichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
trans-1,2-Dichloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
cis-1,2-Dichloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Chloroform	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
2-Butanone	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
1,1,1-Trichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Carbon tetrachloride	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Bromodichloromethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dichloropropane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
cis-1,3-Dichloropropene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Trichloroethene	***410***	25		µg/L	5	9/10/2018 6:21:00 PM
Dibromochloromethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1,2-Trichloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Benzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
trans-1,3-Dichloropropene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Bromoform	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
4-Methyl-2-pentanone	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
2-Hexanone	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
Tetrachloroethene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1,2,2-Tetrachloroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Toluene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Chlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Ethylbenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Styrene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
m,p-Xylene	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
o-Xylene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Methyl tert-butyl ether	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Dichlorodifluoromethane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-10 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 2:58:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-012
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Trichlorofluoromethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Cyclohexane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Methyl Cyclohexane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dibromoethane	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,3-Dichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,4-Dichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
1,2-Dibromo-3-chloropropane	***ND***	50		µg/L	5	9/10/2018 6:21:00 PM
1,2,4-Trichlorobenzene	***ND***	25		µg/L	5	9/10/2018 6:21:00 PM
Surr: 1,2-Dichloroethane-d4	***90.3***	80.9-122		%REC	5	9/10/2018 6:21:00 PM
Surr: 4-Bromofluorobenzene	***85.2***	76.5-125		%REC	5	9/10/2018 6:21:00 PM
Surr: Toluene-d8	***122***	80.4-121	S	%REC	5	9/10/2018 6:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-11 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 10:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-013
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 8:45:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-11 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 10:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-013
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 8:45:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 8:45:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 8:45:00 PM
Surr: 1,2-Dichloroethane-d4	***91.8***	80.9-122		%REC	1	9/7/2018 8:45:00 PM
Surr: 4-Bromofluorobenzene	***107***	76.5-125		%REC	1	9/7/2018 8:45:00 PM
Surr: Toluene-d8	***111***	80.4-121		%REC	1	9/7/2018 8:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	DUP 082818
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-017
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 9:06:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Trichloroethene	***41***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	DUP 082818
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-017
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 9:06:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 9:06:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 9:06:00 PM
Surr: 1,2-Dichloroethane-d4	***90.2***	80.9-122		%REC	1	9/7/2018 9:06:00 PM
Surr: 4-Bromofluorobenzene	***110***	76.5-125		%REC	1	9/7/2018 9:06:00 PM
Surr: Toluene-d8	***106***	80.4-121		%REC	1	9/7/2018 9:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	Trip Blank Lot# VOA F36.1
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-018
PO#:	85949	**Matrix:**	TRIP BLANK
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Isopropylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Chloromethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Bromomethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Vinyl chloride	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Chloroethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Methylene chloride	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Acetone	***ND***	10	S	µg/L	1	9/7/2018 5:12:00 PM
Carbon disulfide	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
trans-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
cis-1,2-Dichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Chloroform	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
2-Butanone	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
1,1,1-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Carbon tetrachloride	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Bromodichloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dichloropropane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
cis-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Trichloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Dibromochloromethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1,2-Trichloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Benzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
trans-1,3-Dichloropropene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Bromoform	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
4-Methyl-2-pentanone	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
2-Hexanone	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
Tetrachloroethene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1,2,2-Tetrachloroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Toluene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Chlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Ethylbenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Styrene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
m,p-Xylene	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
o-Xylene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Methyl tert-butyl ether	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Dichlorodifluoromethane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *25-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	Trip Blank Lot# VOA F36.1
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-018
PO#:	85949	**Matrix:**	TRIP BLANK

Project# : 60532721-700

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: **SMD**
Methyl Acetate	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Trichlorofluoromethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
Methyl Cyclohexane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dibromoethane	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,3-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,4-Dichlorobenzene	***ND***	5.0		µg/L	1	9/7/2018 5:12:00 PM
1,2-Dibromo-3-chloropropane	***ND***	10		µg/L	1	9/7/2018 5:12:00 PM
1,2,4-Trichlorobenzene	***ND***	5.0	C	µg/L	1	9/7/2018 5:12:00 PM
Surr: 1,2-Dichloroethane-d4	***87.5***	80.9-122		%REC	1	9/7/2018 5:12:00 PM
Surr: 4-Bromofluorobenzene	***106***	76.5-125		%REC	1	9/7/2018 5:12:00 PM
Surr: Toluene-d8	***82.2***	80.4-121		%REC	1	9/7/2018 5:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

mblk

SeqNo: **2473999** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **vblk** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2-Butanone	ND	10									
2-Hexanone	ND	10									
4-Methyl-2-pentanone	ND	10									
Acetone	ND	10									
Benzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Cyclohexane	ND	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

mblk

SeqNo: **2473999** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **vblk** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethylbenzene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl Acetate	ND	5.0									
Methyl Cyclohexane	ND	5.0									
Methyl tert-butyl ether	ND	5.0									
Methylene chloride	ND	5.0									
o-Xylene	ND	5.0									
Styrene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	10									
Surr: 1,2-Dichloroethane-d4	43.77	5.0	50	0	87.5	80.9	122	0	0		
Surr: 4-Bromofluorobenzene	51.6	5.0	50	0	103	76.5	125	0	0		
Surr: Toluene-d8	49.2	5.0	50	0	98.4	80.4	121	0	0		

mblk

SeqNo: **2474947** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **vblk** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

mblk

SeqNo: **2474947** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **vblk** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2-Butanone	ND	10									
2-Hexanone	ND	10									
4-Methyl-2-pentanone	ND	10									
Acetone	ND	10									
Benzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Cyclohexane	ND	5.0									
Dibromochloromethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethylbenzene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl Acetate	ND	5.0									
Methyl Cyclohexane	ND	5.0									
Methyl tert-butyl ether	ND	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

mblk

SeqNo: **2474947** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **vblk** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	5.0									
o-Xylene	ND	5.0									
Styrene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	10									
Surr: 1,2-Dichloroethane-d4	47.81	5.0	50	0	95.6	80.9	122	0	0		
Surr: 4-Bromofluorobenzene	53.61	5.0	50	0	107	76.5	125	0	0		
Surr: Toluene-d8	53.08	5.0	50	0	106	80.4	121	0	0		

lcs

SeqNo: **2474012** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcs** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50.52	5.0	50	0	101	72.3	121	0	0		
1,1,2,2-Tetrachloroethane	46.63	5.0	50	0	93.3	72.3	118	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	20.61	5.0	25	0	82.4	71.8	134	0	0		
1,1,2-Trichloroethane	50.2	5.0	50	0	100	73.1	123	0	0		
1,1-Dichloroethane	50.97	5.0	50	0	102	73.2	127	0	0		
1,1-Dichloroethene	48.99	5.0	50	0	98	70.3	128	0	0		
1,2,4-Trichlorobenzene	41.69	5.0	50	0	83.4	67.1	128	0	0		
1,2-Dibromo-3-chloropropane	45.86	10	50	0	91.7	67.5	133	0	0		
1,2-Dibromoethane	51.03	5.0	50	0	102	73.6	126	0	0		
1,2-Dichlorobenzene	49.78	5.0	50	0	99.6	71	124	0	0		
1,2-Dichloroethane	47.49	5.0	50	0	95	72.5	127	0	0		
1,2-Dichloropropane	52.01	5.0	50	0	104	73.6	124	0	0		
1,3-Dichlorobenzene	48.64	5.0	50	0	97.3	72.2	121	0	0		
1,4-Dichlorobenzene	49.84	5.0	50	0	99.7	71.7	127	0	0		
2-Butanone	37.53	10	50	0	75.1	65.1	132	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

lcs

SeqNo: **2474012** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcs** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	44.56	10	50	0	89.1	64.4	131	0	0		
4-Methyl-2-pentanone	53.64	10	50	0	107	68.7	118	0	0		
Acetone	29.54	10	50	0	59.1	69.2	133	0	0		S
Benzene	51.61	5.0	50	0	103	71.2	122	0	0		
Bromodichloromethane	54.29	5.0	50	0	109	73.1	124	0	0		
Bromoform	51.41	5.0	50	0	103	68.2	120	0	0		
Bromomethane	36.23	10	50	0	72.5	65.7	133	0	0		
Carbon disulfide	25.07	5.0	25	0	100	67.8	134	0	0		
Carbon tetrachloride	46.15	5.0	50	0	92.3	74.5	122	0	0		
Chlorobenzene	47.36	5.0	50	0	94.7	72.7	124	0	0		
Chloroethane	52.86	10	50	0	106	72.3	136	0	0		
Chloroform	47.44	5.0	50	0	94.9	71.6	133	0	0		
Chloromethane	42.03	10	50	0	84.1	55.7	134	0	0		
cis-1,2-Dichloroethene	46.94	5.0	50	0	93.9	73.1	129	0	0		
cis-1,3-Dichloropropene	49.93	5.0	50	0	99.9	73.3	119	0	0		
Cyclohexane	19.97	5.0	25	0	79.9	70.6	131	0	0		
Dibromochloromethane	49.43	5.0	50	0	98.9	70.6	124	0	0		
Dichlorodifluoromethane	50.25	10	50	0	101	53.9	139	0	0		
Ethylbenzene	48.62	5.0	50	0	97.2	70.9	126	0	0		
Isopropylbenzene	46.53	5.0	50	0	93.1	70.5	123	0	0		
m,p-Xylene	96.69	10	100	0	96.7	72.1	124	0	0		
Methyl Acetate	19.79	5.0	25	0	79.2	65.4	129	0	0		
Methyl Cyclohexane	22.59	5.0	25	0	90.4	66.2	128	0	0		
Methyl tert-butyl ether	22.4	5.0	25	0	89.6	74.2	129	0	0		
Methylene chloride	45.83	5.0	50	0	91.7	66.3	130	0	0		
o-Xylene	48.12	5.0	50	0	96.2	73.6	122	0	0		
Styrene	50.34	5.0	50	0	101	72.7	127	0	0		
Tetrachloroethene	49.27	5.0	50	0	98.5	72.4	119	0	0		
Toluene	47.32	5.0	50	0	94.6	71.8	116	0	0		
trans-1,2-Dichloroethene	48.77	5.0	50	0	97.5	70.3	120	0	0		
trans-1,3-Dichloropropene	45.37	5.0	50	0	90.7	71.8	120	0	0		
Trichloroethene	51.81	5.0	50	0	104	73	127	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

lcs

SeqNo: **2474012** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcs** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	46.17	5.0	50	0	92.3	69.4	133	0	0		
Vinyl chloride	51.71	10	50	0	103	65.2	134	0	0		
Surr: 1,2-Dichloroethane-d4	45.35	5.0	50	0	90.7	80.9	122	0	0		
Surr: 4-Bromofluorobenzene	47.03	5.0	50	0	94.1	76.5	125	0	0		
Surr: Toluene-d8	51.23	5.0	50	0	102	80.4	121	0	0		

lcs

SeqNo: **2474938** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcs** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46.81	5.0	50	0	93.6	72.3	121	0	0		
1,1,2,2-Tetrachloroethane	43.63	5.0	50	0	87.3	72.3	118	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	22.03	5.0	25	0	88.1	71.8	134	0	0		
1,1,2-Trichloroethane	45.49	5.0	50	0	91	73.1	123	0	0		
1,1-Dichloroethane	48.19	5.0	50	0	96.4	73.2	127	0	0		
1,1-Dichloroethene	45.67	5.0	50	0	91.3	70.3	128	0	0		
1,2,4-Trichlorobenzene	42.61	5.0	50	0	85.2	67.1	128	0	0		
1,2-Dibromo-3-chloropropane	43.8	10	50	0	87.6	67.5	133	0	0		
1,2-Dibromoethane	48.19	5.0	50	0	96.4	73.6	126	0	0		
1,2-Dichlorobenzene	46.42	5.0	50	0	92.8	71	124	0	0		
1,2-Dichloroethane	44.79	5.0	50	0	89.6	72.5	127	0	0		
1,2-Dichloropropane	49.43	5.0	50	0	98.9	73.6	124	0	0		
1,3-Dichlorobenzene	43.53	5.0	50	0	87.1	72.2	121	0	0		
1,4-Dichlorobenzene	48.16	5.0	50	0	96.3	71.7	127	0	0		
2-Butanone	38.44	10	50	0	76.9	65.1	132	0	0		
2-Hexanone	40.69	10	50	0	81.4	64.4	131	0	0		
4-Methyl-2-pentanone	49.19	10	50	0	98.4	68.7	118	0	0		
Acetone	31.51	10	50	0	63	69.2	133	0	0		S
Benzene	47.57	5.0	50	0	95.1	71.2	122	0	0		
Bromodichloromethane	48.22	5.0	50	0	96.4	73.1	124	0	0		
Bromoform	51.79	5.0	50	0	104	68.2	120	0	0		
Bromomethane	34.78	10	50	0	69.6	65.7	133	0	0		
Carbon disulfide	22.86	5.0	25	0	91.4	67.8	134	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

lcs

SeqNo: **2474938** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcs** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	47.34	5.0	50	0	94.7	74.5	122	0	0		
Chlorobenzene	43.67	5.0	50	0	87.3	72.7	124	0	0		
Chloroethane	47.55	10	50	0	95.1	72.3	136	0	0		
Chloroform	46.57	5.0	50	0	93.1	71.6	133	0	0		
Chloromethane	43.05	10	50	0	86.1	55.7	134	0	0		
cis-1,2-Dichloroethene	44.92	5.0	50	0	89.8	73.1	129	0	0		
cis-1,3-Dichloropropene	49.64	5.0	50	0	99.3	73.3	119	0	0		
Cyclohexane	19.7	5.0	25	0	78.8	70.6	131	0	0		
Dibromochloromethane	47.53	5.0	50	0	95.1	70.6	124	0	0		
Dichlorodifluoromethane	56.89	10	50	0	114	53.9	139	0	0		
Ethylbenzene	44.43	5.0	50	0	88.9	70.9	126	0	0		
Isopropylbenzene	42.09	5.0	50	0	84.2	70.5	123	0	0		
m,p-Xylene	88.71	10	100	0	88.7	72.1	124	0	0		
Methyl Acetate	19.78	5.0	25	0	79.1	65.4	129	0	0		
Methyl Cyclohexane	24.96	5.0	25	0	99.8	66.2	128	0	0		
Methyl tert-butyl ether	20.8	5.0	25	0	83.2	74.2	129	0	0		
Methylene chloride	44.35	5.0	50	0	88.7	66.3	130	0	0		
o-Xylene	43.71	5.0	50	0	87.4	73.6	122	0	0		
Styrene	44.46	5.0	50	0	88.9	72.7	127	0	0		
Tetrachloroethene	45.22	5.0	50	0	90.4	72.4	119	0	0		
Toluene	46.61	5.0	50	0	93.2	71.8	116	0	0		
trans-1,2-Dichloroethene	47.37	5.0	50	0	94.7	70.3	120	0	0		
trans-1,3-Dichloropropene	45.34	5.0	50	0	90.7	71.8	120	0	0		
Trichloroethene	47.73	5.0	50	0	95.5	73	127	0	0		
Trichlorofluoromethane	51.21	5.0	50	0	102	69.4	133	0	0		
Vinyl chloride	48.23	10	50	0	96.5	65.2	134	0	0		
Surr: 1,2-Dichloroethane-d4	47.4	5.0	50	0	94.8	80.9	122	0	0		
Surr: 4-Bromofluorobenzene	46.6	5.0	50	0	93.2	76.5	125	0	0		
Surr: Toluene-d8	50.66	5.0	50	0	101	80.4	121	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

lcsd

SeqNo: **2474946** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcsd** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51.15	5.0	50	0	102	72.3	121	46.81	8.86	25	
1,1,2,2-Tetrachloroethane	47.56	5.0	50	0	95.1	72.3	118	43.63	8.62	25	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.49	5.0	25	0	82	71.8	134	22.03	7.24	25	
1,1,2-Trichloroethane	48.63	5.0	50	0	97.3	73.1	123	45.49	6.67	25	
1,1-Dichloroethane	53.07	5.0	50	0	106	73.2	127	48.19	9.64	25	
1,1-Dichloroethene	53.35	5.0	50	0	107	70.3	128	45.67	15.5	25	
1,2,4-Trichlorobenzene	38.64	5.0	50	0	77.3	67.1	128	42.61	9.77	25	
1,2-Dibromo-3-chloropropane	45.21	10	50	0	90.4	67.5	133	43.8	3.17	25	
1,2-Dibromoethane	52.43	5.0	50	0	105	73.6	126	48.19	8.43	25	
1,2-Dichlorobenzene	48.06	5.0	50	0	96.1	71	124	46.42	3.47	25	
1,2-Dichloroethane	47.89	5.0	50	0	95.8	72.5	127	44.79	6.69	25	
1,2-Dichloropropane	51.18	5.0	50	0	102	73.6	124	49.43	3.48	25	
1,3-Dichlorobenzene	44.62	5.0	50	0	89.2	72.2	121	43.53	2.47	25	
1,4-Dichlorobenzene	46.14	5.0	50	0	92.3	71.7	127	48.16	4.28	25	
2-Butanone	37.04	10	50	0	74.1	65.1	132	38.44	3.71	25	
2-Hexanone	35.95	10	50	0	71.9	64.4	131	40.69	12.4	25	
4-Methyl-2-pentanone	49.74	10	50	0	99.5	68.7	118	49.19	1.11	25	
Acetone	30.1	10	50	0	60.2	69.2	133	31.51	4.58	25	S
Benzene	49.72	5.0	50	0	99.4	71.2	122	47.57	4.42	25	
Bromodichloromethane	51.42	5.0	50	0	103	73.1	124	48.22	6.42	25	
Bromoform	54.97	5.0	50	0	110	68.2	120	51.79	5.96	25	
Bromomethane	37.22	10	50	0	74.4	65.7	133	34.78	6.78	25	
Carbon disulfide	22.83	5.0	25	0	91.3	67.8	134	22.86	0.131	25	
Carbon tetrachloride	51.48	5.0	50	0	103	74.5	122	47.34	8.38	25	
Chlorobenzene	47.77	5.0	50	0	95.5	72.7	124	43.67	8.97	25	
Chloroethane	51.74	10	50	0	103	72.3	136	47.55	8.44	25	
Chloroform	48.87	5.0	50	0	97.7	71.6	133	46.57	4.82	25	
Chloromethane	42.26	10	50	0	84.5	55.7	134	43.05	1.85	25	
cis-1,2-Dichloroethene	43.89	5.0	50	0	87.8	73.1	129	44.92	2.32	25	
cis-1,3-Dichloropropene	47.23	5.0	50	0	94.5	73.3	119	49.64	4.98	25	
Cyclohexane	19.74	5.0	25	0	79	70.6	131	19.7	0.203	25	
Dibromochloromethane	49.11	5.0	50	0	98.2	70.6	124	47.53	3.27	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

lcsd

SeqNo: **2474946** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **lcsd** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	48.93	10	50	0	97.9	53.9	139	56.89	15.0	25	
Ethylbenzene	46.99	5.0	50	0	94	70.9	126	44.43	5.60	25	
Isopropylbenzene	45.23	5.0	50	0	90.5	70.5	123	42.09	7.19	25	
m,p-Xylene	92.53	10	100	0	92.5	72.1	124	88.71	4.22	25	
Methyl Acetate	15.38	5.0	25	0	61.5	65.4	129	19.78	25.0	25	SZ
Methyl Cyclohexane	21	5.0	25	0	84	66.2	128	24.96	17.2	0	
Methyl tert-butyl ether	21.3	5.0	25	0	85.2	74.2	129	20.8	2.38	25	
Methylene chloride	46.37	5.0	50	0	92.7	66.3	130	44.35	4.45	25	
o-Xylene	45.73	5.0	50	0	91.5	73.6	122	43.71	4.52	25	
Styrene	47.14	5.0	50	0	94.3	72.7	127	44.46	5.85	25	
Tetrachloroethene	49.54	5.0	50	0	99.1	72.4	119	45.22	9.12	25	
Toluene	50.2	5.0	50	0	100	71.8	116	46.61	7.42	25	
trans-1,2-Dichloroethene	53.32	5.0	50	0	107	70.3	120	47.37	11.8	25	
trans-1,3-Dichloropropene	43.69	5.0	50	0	87.4	71.8	120	45.34	3.71	25	
Trichloroethene	50.49	5.0	50	0	101	73	127	47.73	5.62	25	
Trichlorofluoromethane	51.81	5.0	50	0	104	69.4	133	51.21	1.16	25	
Vinyl chloride	51.1	10	50	0	102	65.2	134	48.23	5.78	25	
Surr: 1,2-Dichloroethane-d4	48.21	5.0	50	0	96.4	80.9	122	0	0	25	
Surr: 4-Bromofluorobenzene	46.37	5.0	50	0	92.7	76.5	125	0	0	25	
Surr: Toluene-d8	51.29	5.0	50	0	103	80.4	121	0	0	25	

ms

SeqNo: **2474011** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **180829015-009a *(MW-1R 082818)*** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48.82	5.0	50	0	97.6	71.6	126	0	0		
1,1,2,2-Tetrachloroethane	45.19	5.0	50	0	90.4	70.1	123	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	23.03	5.0	25	0	92.1	68.2	138	0	0		
1,1,2-Trichloroethane	46.2	5.0	50	0	92.4	72.1	119	0	0		
1,1-Dichloroethane	46.41	5.0	50	0	92.8	70.4	126	0	0		
1,1-Dichloroethene	49.01	5.0	50	0	98	70.2	125	0	0		
1,2,4-Trichlorobenzene	34.75	5.0	50	0	69.5	57.1	121	0	0		
1,2-Dibromo-3-chloropropane	41.17	10	50	0	82.3	63.9	132	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

ms

SeqNo: **2474011** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **180829015-009a *(MW-1R 082818)*** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	49.27	5.0	50	0	98.5	69.6	122	0	0		
1,2-Dichlorobenzene	47.37	5.0	50	0	94.7	70.2	123	0	0		
1,2-Dichloroethane	44.17	5.0	50	0	88.3	73.5	126	0	0		
1,2-Dichloropropane	49.6	5.0	50	0	99.2	70.5	121	0	0		
1,3-Dichlorobenzene	43.78	5.0	50	0	87.6	70.4	124	0	0		
1,4-Dichlorobenzene	48.16	5.0	50	0	96.3	70.8	127	0	0		
2-Butanone	31.93	10	50	0	63.9	60.5	123	0	0		
2-Hexanone	42.33	10	50	0	84.7	62.2	129	0	0		
4-Methyl-2-pentanone	48.14	10	50	0	96.3	52.8	133	0	0		
Acetone	28.68	10	50	0	57.4	56.3	135	0	0		
Benzene	48.12	5.0	50	0	96.2	70.2	127	0	0		
Bromodichloromethane	49.65	5.0	50	0	99.3	71.2	120	0	0		
Bromoform	49.04	5.0	50	0	98.1	67.4	120	0	0		
Bromomethane	30.8	10	50	0	61.6	58.2	131	0	0		
Carbon disulfide	24.11	5.0	25	0	96.4	62.2	130	0	0		
Carbon tetrachloride	48.75	5.0	50	0	97.5	56.4	137	0	0		
Chlorobenzene	46.54	5.0	50	0	93.1	72.7	128	0	0		
Chloroethane	48.51	10	50	0	97	71.3	135	0	0		
Chloroform	43.97	5.0	50	0	87.9	70.2	125	0	0		
Chloromethane	37.44	10	50	0	74.9	53.5	126	0	0		
cis-1,2-Dichloroethene	41.54	5.0	50	0	83.1	66.5	129	0	0		
cis-1,3-Dichloropropene	47.82	5.0	50	0	95.6	68.1	124	0	0		
Cyclohexane	21.88	5.0	25	0	87.5	69.4	125	0	0		
Dibromochloromethane	44.95	5.0	50	0	89.9	69.5	123	0	0		
Dichlorodifluoromethane	58.79	10	50	0	118	50.8	135	0	0		
Ethylbenzene	47.96	5.0	50	0	95.9	71.9	129	0	0		
Isopropylbenzene	46.43	5.0	50	0	92.9	72.2	123	0	0		
m,p-Xylene	94.92	10	100	0	94.9	72	130	0	0		
Methyl Acetate	15.48	5.0	25	0	61.9	57.6	134	0	0		
Methyl Cyclohexane	27.58	5.0	25	0	110	66.6	121	0	0		
Methyl tert-butyl ether	20.37	5.0	25	0	81.5	72.4	131	0	0		
Methylene chloride	42.63	5.0	50	0	85.3	65.3	123	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

ms

SeqNo: **2474011** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **180829015-009a *(MW-1R 082818)*** Units: **µg/L** Analysis Date: **9/7/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	48.14	5.0	50	0	96.3	72.9	126	0	0		
Styrene	47.92	5.0	50	0	95.8	68.7	124	0	0		
Tetrachloroethene	46.78	5.0	50	0	93.6	74.5	121	0	0		
Toluene	47.44	5.0	50	0	94.9	73	122	0	0		
trans-1,2-Dichloroethene	45.84	5.0	50	0	91.7	69.1	133	0	0		
trans-1,3-Dichloropropene	44.58	5.0	50	0	89.2	67.8	122	0	0		
Trichloroethene	88.11	5.0	50	42.55	91.1	71.1	126	0	0		
Trichlorofluoromethane	49.96	5.0	50	0	99.9	76.1	138	0	0		
Vinyl chloride	47.01	10	50	0	94	65	137	0	0		
Surr: 1,2-Dichloroethane-d4	45.24	5.0	50	0	90.5	80.9	122	0	0		
Surr: 4-Bromofluorobenzene	48.5	5.0	50	0	97	76.5	125	0	0		
Surr: Toluene-d8	52.36	5.0	50	0	105	80.4	121	0	0		

msd

SeqNo: **2474945** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **180829015-009a *(MW-1R 082818)*** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	44.9	5.0	50	0	89.8	71.6	126	48.82	8.37	20.4	
1,1,2,2-Tetrachloroethane	42.83	5.0	50	0	85.7	70.1	123	45.19	5.36	18.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	24.8	5.0	25	0	99.2	68.2	138	23.03	7.40	20	
1,1,2-Trichloroethane	43.92	5.0	50	0	87.8	72.1	119	46.2	5.06	20	
1,1-Dichloroethane	45.79	5.0	50	0	91.6	70.4	126	46.41	1.34	19.2	
1,1-Dichloroethene	48.52	5.0	50	0	97	70.2	125	49.01	1.00	16.1	
1,2,4-Trichlorobenzene	20.8	5.0	50	0	41.6	57.1	121	34.75	50.2	20	SZ
1,2-Dibromo-3-chloropropane	29.71	10	50	0	59.4	63.9	132	41.17	32.3	20.6	SZ
1,2-Dibromoethane	44.83	5.0	50	0	89.7	69.6	122	49.27	9.44	18.7	
1,2-Dichlorobenzene	39.5	5.0	50	0	79	70.2	123	47.37	18.1	17.9	Z
1,2-Dichloroethane	41.89	5.0	50	0	83.8	73.5	126	44.17	5.30	15.6	
1,2-Dichloropropane	44.88	5.0	50	0	89.8	70.5	121	49.6	9.99	21.8	
1,3-Dichlorobenzene	38.13	5.0	50	0	76.3	70.4	124	43.78	13.8	14.3	
1,4-Dichlorobenzene	36.33	5.0	50	0	72.7	70.8	127	48.16	28.0	14.4	Z
2-Butanone	27.98	10	50	0	56	60.5	123	31.93	13.2	15	S
2-Hexanone	29.07	10	50	0	58.1	62.2	129	42.33	37.1	11.6	SZ

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

msd

SeqNo: **2474945** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **180829015-009a *(MW-1R 082818)*** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	37.41	10	50	0	74.8	52.8	133	48.14	25.1	11.9	Z
Acetone	24.81	10	50	0	49.6	56.3	135	28.68	14.5	10.6	SZ
Benzene	44.91	5.0	50	0	89.8	70.2	127	48.12	6.90	18.4	
Bromodichloromethane	46.29	5.0	50	0	92.6	71.2	120	49.65	7.00	25.6	
Bromoform	42.6	5.0	50	0	85.2	67.4	120	49.04	14.1	12	Z
Bromomethane	30.06	10	50	0	60.1	58.2	131	30.8	2.43	16.9	
Carbon disulfide	22.35	5.0	25	0	89.4	62.2	130	24.11	7.58	13.1	
Carbon tetrachloride	48.24	5.0	50	0	96.5	56.4	137	48.75	1.05	20.3	
Chlorobenzene	43.31	5.0	50	0	86.6	72.7	128	46.54	7.19	19.6	
Chloroethane	45.75	10	50	0	91.5	71.3	135	48.51	5.86	27.8	
Chloroform	42.51	5.0	50	0	85	70.2	125	43.97	3.38	20.3	
Chloromethane	36.35	10	50	0	72.7	53.5	126	37.44	2.95	18.4	
cis-1,2-Dichloroethene	38.97	5.0	50	0	77.9	66.5	129	41.54	6.38	11.3	
cis-1,3-Dichloropropene	41.84	5.0	50	0	83.7	68.1	124	47.82	13.3	21.5	
Cyclohexane	21.07	5.0	25	0	84.3	69.4	125	21.88	3.77	19.1	
Dibromochloromethane	42.02	5.0	50	0	84	69.5	123	44.95	6.74	18.8	
Dichlorodifluoromethane	57.08	10	50	0	114	50.8	135	58.79	2.95	27.3	
Ethylbenzene	44.43	5.0	50	0	88.9	71.9	129	47.96	7.64	16.3	
Isopropylbenzene	41.34	5.0	50	0	82.7	72.2	123	46.43	11.6	20	
m,p-Xylene	86.46	10	100	0	86.5	72	130	94.92	9.33	16.1	
Methyl Acetate	15.08	5.0	25	0	60.3	57.6	134	15.48	2.62	15	
Methyl Cyclohexane	24.45	5.0	25	0	97.8	66.6	121	27.58	12.0	25.4	
Methyl tert-butyl ether	18.05	5.0	25	0	72.2	72.4	131	20.37	12.1	17.9	S
Methylene chloride	41.1	5.0	50	0	82.2	65.3	123	42.63	3.65	21.4	
o-Xylene	43.2	5.0	50	0	86.4	72.9	126	48.14	10.8	13	
Styrene	40.32	5.0	50	0	80.6	68.7	124	47.92	17.2	21.4	
Tetrachloroethene	44.77	5.0	50	0	89.5	74.5	121	46.78	4.39	20.9	
Toluene	44.78	5.0	50	0	89.6	73	122	47.44	5.77	19.4	
trans-1,2-Dichloroethene	42.22	5.0	50	0	84.4	69.1	133	45.84	8.22	16.1	
trans-1,3-Dichloropropene	37.21	5.0	50	0	74.4	67.8	122	44.58	18.0	20.3	
Trichloroethene	84.71	5.0	50	42.55	84.3	71.1	126	88.11	3.93	16.6	
Trichlorofluoromethane	51.86	5.0	50	0	104	76.1	138	49.96	3.73	22.8	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: R163013

msd

SeqNo: **2474945** TestNo: **SW8260C** RunNo: ***163013***
Samp ID: **180829015-009a *(MW-1R 082818)*** Units: **µg/L** Analysis Date: **9/10/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	45.42	10	50	0	90.8	65	137	47.01	3.44	20.5	
Surr: 1,2-Dichloroethane-d4	46.27	5.0	50	0	92.5	80.9	122	0	0	0	
Surr: 4-Bromofluorobenzene	49.69	5.0	50	0	99.4	76.5	125	0	0	0	
Surr: Toluene-d8	52	5.0	50	0	104	80.4	121	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

QC Batch Summary Report

Batch: R163013 **Analyst:** SM

SampID	SampType	TestName:	Analysis Date/Time:
bfb	tune	BFB tune	9/7/2018 12:04:00 PM
vstd005	ical	EPA-8260	9/7/2018 12:29:00 PM
vstd010	ical	EPA-8260	9/7/2018 12:50:00 PM
vstd025	ical	EPA-8260	9/7/2018 1:14:00 PM
vstd050	ical	EPA-8260	9/7/2018 1:36:00 PM
vstd050	ccv	EPA-8260	9/7/2018 1:36:00 PM
vstd100	ical	EPA-8260	9/7/2018 2:00:00 PM
vstd200	ical	EPA-8260	9/7/2018 2:21:00 PM
vblk	mblk	EPA-8260	9/7/2018 4:50:00 PM
180829015-018a	samp	EPA-8260	9/7/2018 5:12:00 PM
180829015-007a	samp	EPA-8260	9/7/2018 5:33:00 PM
180829015-006a	samp	EPA-8260	9/7/2018 5:54:00 PM
180829015-009a	samp	EPA-8260	9/7/2018 6:16:00 PM
180829015-010a	samp	EPA-8260	9/7/2018 6:37:00 PM
180829015-002a	samp	EPA-8260	9/7/2018 6:58:00 PM
180829015-004a	samp	EPA-8260	9/7/2018 7:41:00 PM
180829015-008a	samp	EPA-8260	9/7/2018 8:24:00 PM
180829015-013a	samp	EPA-8260	9/7/2018 8:45:00 PM
180829015-017b	samp	EPA-8260	9/7/2018 9:06:00 PM
180829015-011a	samp	EPA-8260	9/7/2018 10:11:00 PM
180829015-009ams	ms	EPA-8260	9/7/2018 10:54:00 PM
lcs	lcs	EPA-8260	9/7/2018 11:15:00 PM
bfb	tune	BFB tune	9/10/2018 1:58:00 PM
lcs	lcs	EPA-8260	9/10/2018 3:03:00 PM
vstd050	ccv	EPA-8260	9/10/2018 3:27:00 PM
vblk	mblk	EPA-8260	9/10/2018 4:52:00 PM
180829015-003a	samp	EPA-8260	9/10/2018 5:14:00 PM
180829015-005a	samp	EPA-8260	9/10/2018 5:35:00 PM
180829015-001a	samp	EPA-8260	9/10/2018 5:57:00 PM
180829015-012a	samp	EPA-8260	9/10/2018 6:21:00 PM
180829015-009amsd	msd	EPA-8260	9/10/2018 11:43:00 PM
lcsd	lcsd	EPA-8260	9/11/2018 12:05:00 AM

Adirondack Environmental Servies, Inc.

Client: AECOM Environment

WorkOrder 180829015

Project: Ward Products Amsterdam

Test: e8260w

Internal Standard Summary Report

Batch: R163013

SampID	Analysis Time	1,4-Dichlorobenzene-d4	1,4-Difluorobenzene	Chlorobenzene-d5
vstd050	9/7/2018 1:36:00 PM	146306 RT: 11.75	450083 RT: 5.91	383150 RT: 9.59
vblk	9/7/2018 4:50:00 PM	121634 RT: 11.75	404448 RT: 5.92	353274 RT: 9.6
180829015-018A	9/7/2018 5:12:00 PM	118391 RT: 11.75	446783 RT: 5.92	365210 RT: 9.6
180829015-007A	9/7/2018 5:33:00 PM	121747 RT: 11.75	441073 RT: 5.91	364340 RT: 9.6
180829015-006A	9/7/2018 5:54:00 PM	90634 RT: 11.75	450322 RT: 5.91	368032 RT: 9.6
180829015-009A	9/7/2018 6:16:00 PM	121441 RT: 11.75	420570 RT: 5.91	345113 RT: 9.6
180829015-010A	9/7/2018 6:37:00 PM	90598 RT: 11.75	318124 RT: 5.9	261962 RT: 9.6
180829015-002A	9/7/2018 6:58:00 PM	105780 RT: 11.75	419760 RT: 5.92	343641 RT: 9.6
180829015-004A	9/7/2018 7:41:00 PM	94751 RT: 11.75	300625 RT: 5.9	249849 RT: 9.59
180829015-008A	9/7/2018 8:24:00 PM	101776 RT: 11.75	342878 RT: 5.91	285405 RT: 9.6
180829015-013A	9/7/2018 8:45:00 PM	115894 RT: 11.75	481964 RT: 5.92	362529 RT: 9.6
180829015-017B	9/7/2018 9:06:00 PM	112990 RT: 11.75	437067 RT: 5.92	356266 RT: 9.6
180829015-011A	9/7/2018 10:11:00 PM	89016 RT: 11.74	302271 RT: 5.9	252622 RT: 9.59
180829015-009ams	9/7/2018 10:54:00 PM	162006 RT: 11.74	508841 RT: 5.92	418363 RT: 9.6
lcs	9/7/2018 11:15:00 PM	172000 RT: 11.74	495522 RT: 5.92	419929 RT: 9.6
lcs	9/10/2018 3:03:00 PM	150422 RT: 11.74	420077 RT: 5.91	363462 RT: 9.59
vstd050	9/10/2018 3:27:00 PM	138179 RT: 11.74	362597 RT: 5.9	303800 RT: 9.59
vblk	9/10/2018 4:52:00 PM	107325 RT: 11.75	371308 RT: 5.91	317691 RT: 9.6
180829015-003A	9/10/2018 5:14:00 PM	122649 RT: 12.03	387134 RT: 5.91	332441 RT: 9.6
180829015-005A	9/10/2018 5:35:00 PM	92339 RT: 11.75	310189 RT: 5.91	261946 RT: 9.6
180829015-001A	9/10/2018 5:57:00 PM	103566 RT: 11.74	331119 RT: 5.91	281776 RT: 9.6
180829015-012A	9/10/2018 6:21:00 PM	99928 RT: 12.03	322992 RT: 5.91	224904 RT: 9.6
180829015-009amsd	9/10/2018 11:43:00 PM	159054 RT: 11.74	481658 RT: 5.92	417065 RT: 9.6

SampID	Analysis Time	1,4-Dichlorobenzene-d4	1,4-Difluorobenzene	Chlorobenzene-d5
lcsd	9/11/2018 12:05:00 AM	153467 RT: 11.74	427377 RT: 5.92	374191 RT: 9.6

Adirondack Environmental Services, Inc

Date: 11-Sep-18

Test Code: E8260W
Test Number: SW8260C
Test Name: EPA-8260
Matrix: Water **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Updated: 05-Jun-18

Type	Analyte	MDL	PQL
A	1,1,1,2-Tetrachloroethane	1.74	5
A	1,1,1-Trichloroethane	3.46	5
A	1,1,2,2-Tetrachloroethane	3.46	5
A	1,1,2-Trichloro-1,2,2-trifluoroethane	3.55	5
A	1,1,2-Trichloroethane	3.09	5
A	1,1-Dichloroethane	3.86	5
A	1,1-Dichloroethene	4.71	5
A	1,1-Dichloropropene	1.9	5
A	1,2,3-Trichlorobenzene	4.95	5
A	1,2,3-Trichloropropane	1.57	5
A	1,2,4-Trichlorobenzene		5
A	1,2,4-Trimethylbenzene	1.73	5
A	1,2-Dibromo-3-chloropropane	5.21	10
A	1,2-Dibromoethane	3.35	5
A	1,2-Dichlorobenzene	3.02	5
A	1,2-Dichloroethane	3.83	5
A	1,2-Dichloropropane	3.21	5
A	1,3,5-Trimethylbenzene	1.44	5
A	1,3-Dichlorobenzene	2.92	5
A	1,3-Dichloropropane	1.4	5
A	1,4-Dichlorobenzene	2.95	5
A	1,4-Dioxane	16.3	100
A	1-Bromopropane		10
A	1-Propanol		100
A	2,2-Dichloropropane	3.29	5
A	2-Butanone	5.18	10
A	2-Chloroethanol		10
A	2-Chloroethyl vinyl ether		10
A	2-Chlorotoluene	1.35	5
A	2-Hexanone	5.25	10
A	2-Hydroxypropionitrile		10
A	2-Methyl-1,3-dioxolane		100
A	2-Nitropropane		10
A	2-Pentanone		10
A	2-Picoline		10
A	2-Propanol		100
A	3-Chloropropionitrile		10
A	3-Methyl Thiophene		10
A	4-Chlorotoluene	1.51	5
A	4-Isopropyltoluene	1.45	5
A	4-Methyl-2-pentanone	4.27	10

Adirondack Environmental Services, Inc

Date: 11-Sep-18

Test Code: E8260W
Test Number: SW8260C
Test Name: EPA-8260
Matrix: Water **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Updated: 05-Jun-18

Type	Analyte	MDL	PQL
A	Acetone	6.66	10
A	Acetonitrile		200
A	Acrolein	21.8	100
A	Acrylonitrile	14.5	25
A	Allyl alcohol		10
A	Allyl chloride		10
A	Benzene	2.21	5
A	Benzyl chloride		10
A	beta-Propiolactone		10
A	bis-(2-Chloroethyl) Sulfide		10
A	Bromoacetone		10
A	Bromobenzene	1.43	5
A	Bromochloromethane	2.53	5
A	Bromodichloromethane	2.41	5
A	Bromoform	3.87	5
A	Bromomethane	5.1	10
A	Carbon disulfide	2.42	5
A	Carbon tetrachloride	3.7	5
A	Chlorobenzene	2.6	5
A	Chloroethane	4.31	10
A	Chloroform	3.42	5
A	Chloromethane	5.64	10
A	Chloroprene	4.86	20
A	cis-1,2-Dichloroethene	3.09	5
A	cis-1,3-Dichloropropene	2.46	5
A	cis-1,4-Dichloro-2-butene		10
A	Cyclohexane	3.02	5
A	Cyclohexanone		100
A	Dibromochloromethane	2.87	5
A	Dibromomethane	1.89	5
A	Dichlorodifluoromethane	6.33	10
A	Diethyl Ether		5
A	Diisobutylene		5
A	Ethanol		100
A	Ethyl acetate		50
A	Ethyl Ether		10
A	Ethyl methacrylate		10
A	Ethylbenzene	2.76	5
A	Heptane		10
A	Hexachlorobutadiene	2.15	10
A	Hexachloroethane		10

Adirondack Environmental Services, Inc

Date: 11-Sep-18

Test Code: E8260W
Test Number: SW8260C
Test Name: EPA-8260
Matrix: Water **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Updated: 13-Jan-17

Type	Analyte	MDL	PQL
A	Hexane		10
A	Iodomethane	3.33	10
A	Isobutyl Alcohol		200
A	Isopropyl Alcohol		100
A	Isopropyl ether		50
A	Isopropylbenzene	2.46	5
A	m,p-Xylene	6.16	10
A	Malononitrile		10
A	Methacrylonitrile		100
A	Methanol		500
A	Methyl Acetate	3.48	5
A	Methyl Cyclohexane	2.32	5
A	Methyl Formate		10
A	Methyl methacrylate		5
A	Methyl tert-butyl ether	2.75	5
A	Methylene chloride	3.9	5
A	Naphthalene		5
A	n-Butanol		100
A	n-Butylbenzene	1.92	5
A	Nitrobenzene		10
A	N-Nitroso-di-n-butylamine		10
A	n-Propylamine		10
A	n-Propylbenzene	1.44	5
A	o-Toluidine		10
A	o-Xylene	2.81	5
A	Paraldehyde		100
A	Pentachloroethane		10
A	Propionitrile		100
A	Pyridine		10
A	sec-Butylbenzene	1.34	5
A	Styrene	2.88	5
A	t-Amyl Methyl Ether		100
A	t-Butyl alcohol		100
A	tert-Butylbenzene	1.27	5
A	Tetrachloroethene	3.02	5
A	Tetrahydrofuran	7.9	10
A	Toluene	2.27	5
A	Total Volatiles		100
A	trans-1,2-Dichloroethene	3.75	5
A	trans-1,3-Dichloropropene	2.75	5
A	trans-1,4-Dichloro-2-butene		10

Adirondack Environmental Services, Inc

Date: 11-Sep-18

Test Code: E8260W
Test Number: SW8260C
Test Name: EPA-8260
Matrix: Water **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Updated: 05-Jun-18

Type	Analyte	MDL	PQL
A	Trichloroethene	2.47	5
A	Trichlorofluoromethane	3.67	5
A	Vinyl acetate		10
A	Vinyl chloride	3.9	10
A	Xylenes, Total		5
I	1,4-Dichlorobenzene-d4		0
I	1,4-Difluorobenzene		0
I	Chlorobenzene-d5		0
S	1,2-Dichloroethane-d4		5
S	4-Bromofluorobenzene		5
S	Toluene-d8		5

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\qtmethods\
Method File : w8260-090718.M
Title : Voa Calibration 8260 Water
Last Update : Tue Sep 11 09:23:29 2018
Response Via : Initial Calibration

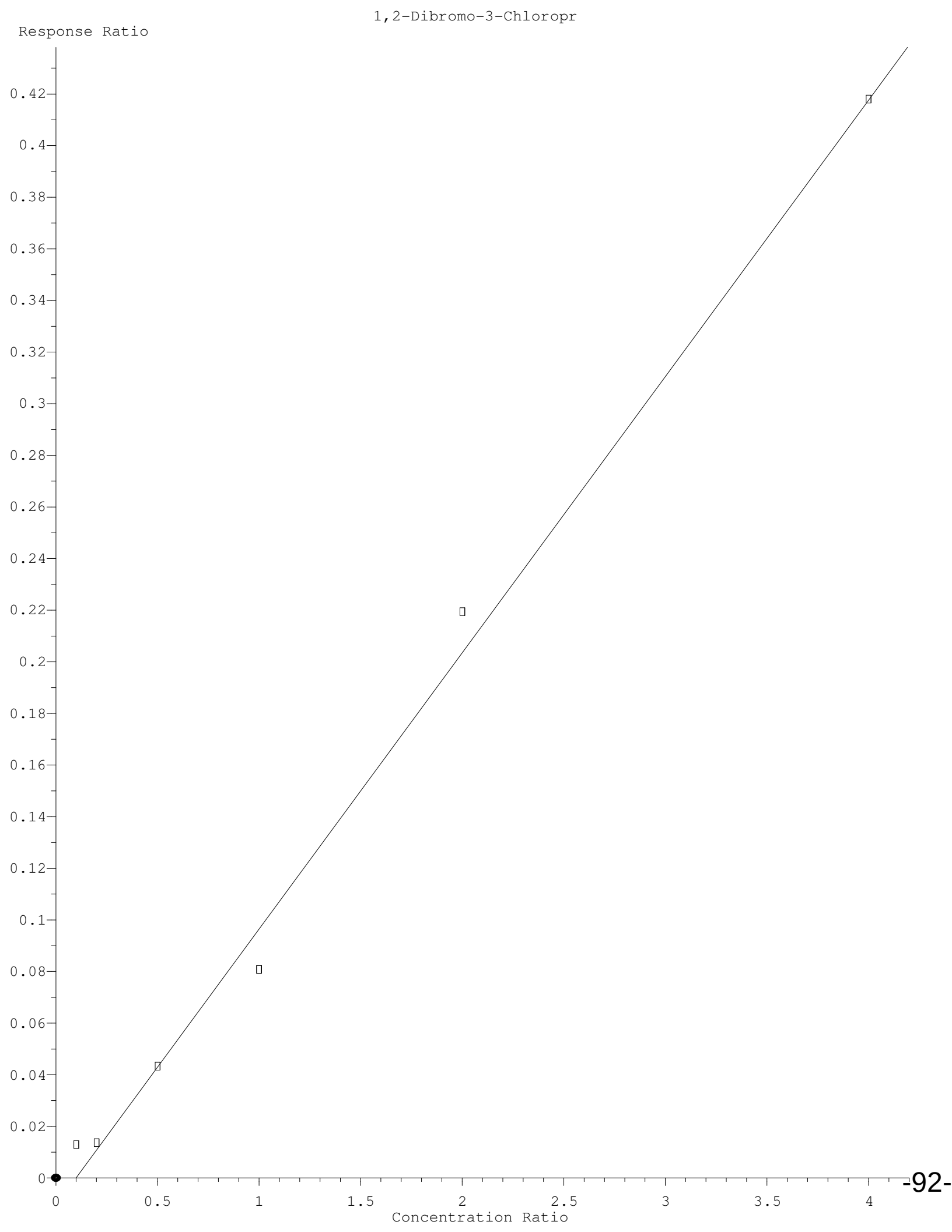
Calibration Files
5 =d7652.D 10 =d7653.D 25 =d7654.D 50 =d7655.D 100 =d7656.D 200 =d7657.D

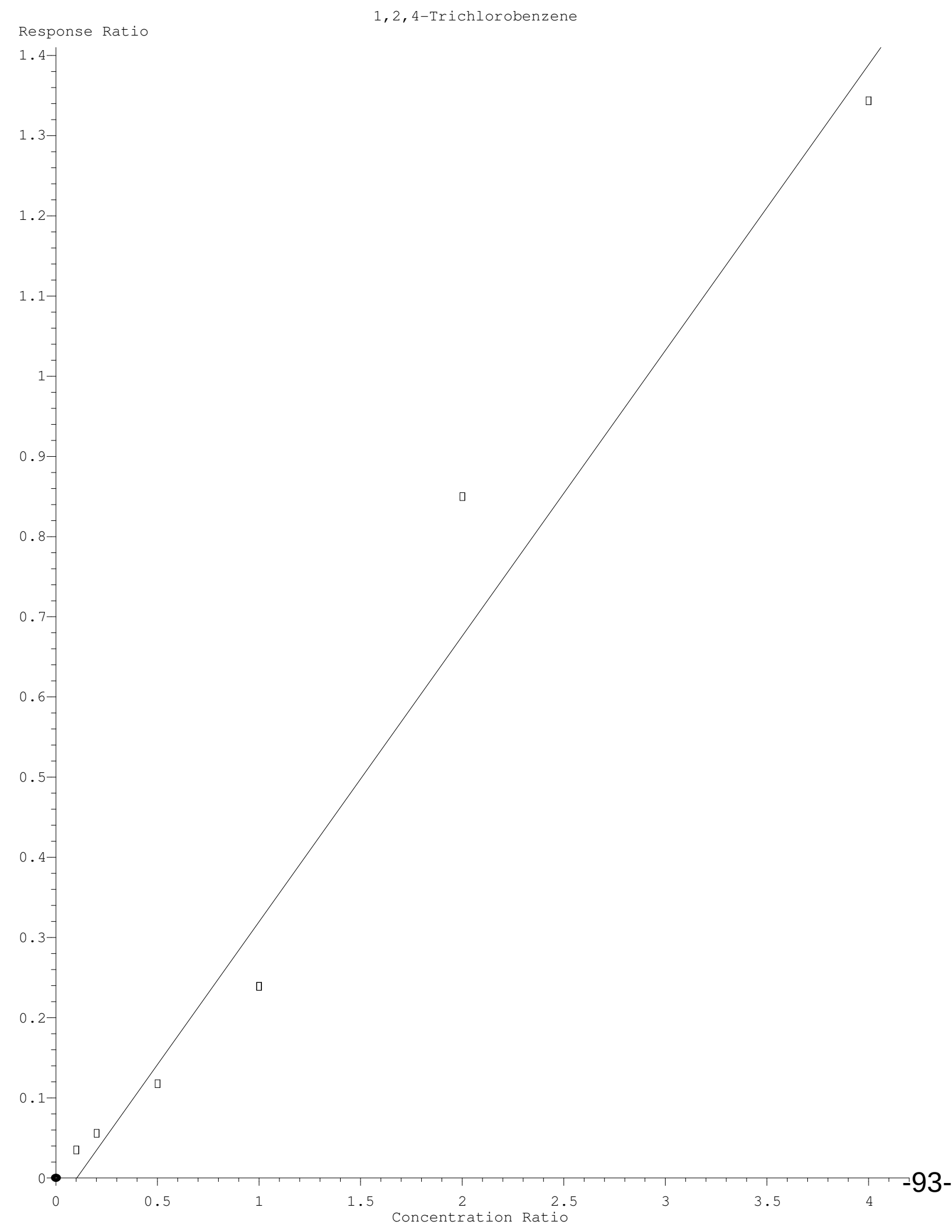
		Compound	5	10	25	50	100	200	Avg	%RSD
1)	I	1,4-Difluorobenzene	----------ISTD----------							
2)		Dichlorodifluo...	0.205	0.173	0.171	0.175	0.150	0.146	0.170	12.42
3)		Chloromethane	0.410	0.344	0.332	0.314	0.298	0.301	0.333	12.53
4)		Vinyl Chloride	0.304	0.280	0.262	0.271	0.251	0.249	0.269	7.70
5)		Bromomethane	0.291	0.215	0.201	0.192	0.169	0.107	0.196	30.74
6)		Chloroethane	0.229	0.187	0.172	0.181	0.166	0.162	0.183	13.42
7)		Acrolein	0.061	0.053	0.046	0.049	0.047	0.047	0.051	11.37
8)		Trichlorofluor...	0.529	0.481	0.485	0.497	0.417	0.446	0.476	8.33
9)		Freon113	0.305	0.251	0.240	0.247	0.206	0.212	0.243	14.48
10)		1,1-Dichloroet...	0.288	0.252	0.265	0.248	0.219	0.242	0.252	9.16
11)		Allyl Chloride	0.623	0.475	0.503	0.595	0.590	0.599	0.564	10.64
12)		Carbon Disulfide	0.913	0.662	0.638	0.650	0.611	0.640	0.686	16.42
13)		Acetone	0.251	0.205	0.164	0.179	0.163	0.176	0.189	17.75
14)		Iodomethane	0.153	0.104	0.092	0.117	0.127	0.138	0.122	18.31
15)		Acetonitrile	0.026	0.022	0.020	0.019	0.019	0.021	0.021	13.33
16)		Methyl Acetate	0.222	0.212	0.206	0.214	0.236	0.259	0.225	8.72
17)		Methylene Chlo...	0.403	0.322	0.280	0.297	0.263	0.283	0.308	16.39
18)		Acrylonitrile	0.115	0.096	0.089	0.096	0.095	0.104	0.099	9.29
19)		trans-1,2-Dich...	0.316	0.258	0.262	0.256	0.256	0.257	0.268	8.95
20)		Mtbe	0.680	0.641	0.584	0.613	0.595	0.649	0.627	5.78
21)		1,1-Dichloroet...	0.587	0.514	0.498	0.512	0.497	0.517	0.521	6.38
22)		Hexane	0.161	0.119	0.124	0.110	0.095	0.105	0.119	19.10
23)		cis-1,2-Dichlo...	0.570	0.446	0.418	0.489	0.465	0.484	0.479	10.76
24)		2,2-Dichloropr...	0.335	0.271	0.284	0.301	0.273	0.286	0.292	8.23
25)		Propionitrile	0.034	0.032	0.031	0.033	0.034	0.035	0.033	5.40
26)		Bromochloromet...	0.153	0.130	0.142	0.139	0.139	0.130	0.139	6.33
27)		Methacrylonitrile	0.121	0.082	0.099	0.110	0.107	0.109	0.105	12.71
28)		Chloroform	0.656	0.607	0.554	0.580	0.543	0.570	0.585	7.05
29)		Cyclohexane	0.549	0.399	0.420	0.419	0.389	0.389	0.427	14.31
30)		1,1-Dichloro-1...	0.459	0.399	0.388	0.392	0.370	0.380	0.398	7.96
31)		1,2-Dichloroet...	0.584	0.505	0.501	0.533	0.512	0.526	0.527	5.80
32)		2-Butanone	0.203	0.144	0.140	0.163	0.139	0.158	0.158	15.38
33)	s	1,2-Dichloroet...	0.438	0.377	0.434	0.418	0.420	0.442	0.421	5.68
34)	I	Chlorobenzene-d5	----------ISTD----------							
35)		1,1,1-Trichlor...	0.592	0.589	0.579	0.601	0.558	0.533	0.575	4.42
36)		Carbon Tetrach...	0.456	0.427	0.427	0.433	0.390	0.369	0.417	7.64
37)		Benzene	1.312	1.414	1.361	1.389	1.316	1.226	1.336	5.03
38)		Isobutanol	0.012	0.013	0.013	0.014	0.013	0.013	0.013	5.02
39)		Heptane	0.365	0.281	0.352	0.350	0.337	0.296	0.330	10.15
40)		Trichloroethene	0.369	0.343	0.352	0.359	0.331	0.321	0.346	5.09
41)		Methyl Cyclohe...	0.566	0.506	0.494	0.458	0.488	0.442	0.492	8.80
42)		1,2-Dichloropr...	0.355	0.334	0.317	0.312	0.343	0.324	0.331	4.95
43)		Vinyl Acetate	0.315	0.279	0.325	0.366	0.429	0.451	0.361	18.73
44)		Dibromomethane	0.166	0.118	0.143	0.135	0.170	0.160	0.149	13.56
45)		1,4-Dioxane	0.004	0.003	0.003	0.003	0.004	0.004	0.004	12.95
46)		Methyl Methacr...	0.188	0.154	0.158	0.176	0.211	0.217	0.184	14.30
47)		Bromodichlorom...	0.518	0.414	0.443	0.484	0.487	0.481	0.471	7.79
48)		cis-1,3-Dichlo...	0.506	0.398	0.405	0.426	0.456	0.387	0.430	10.42
49)		trans-1,3-Dich...	0.428	0.341	0.303	0.377	0.372	0.397	0.370	11.74
50)		1,1,2-Trichlor...	0.363	0.312	0.297	0.325	0.296	0.300	0.315	8.20
51)		1,3-Dichloropr...	0.532	0.521	0.467	0.548	0.500	0.494	0.510	5.72
52)		1,2-Dibromoethane	0.322	0.268	0.250	0.257	0.248	0.254	0.266	10.52
53)		Dibromochlorom...	0.347	0.351	0.323	0.365	0.334	0.349	0.345	4.17
54)		Bromoform	0.144	0.151	0.174	0.176	0.168	0.178	0.165	8.70
55)		4-Methyl-2-Pen...	0.277	0.279	0.280	0.289	0.334	0.309	0.295	7.70
56)	s	Toluene-d8	1.449	1.413	1.368	1.382	1.429	1.391	1.405	2.18
57)		Toluene	0.967	0.926	0.790	0.884	0.828	0.818	0.869	7.93
58)		Ethyl Metacrylate	0.363	0.289	0.328	0.371	0.375	0.396	0.354	10.91
59)		Tetrachloroethene	0.301	0.247	0.231	0.254	0.238	0.227	0.250	10.86
60)		2-Hexanone	0.245	0.241	0.210	0.216	0.224	0.241	0.229	6.37

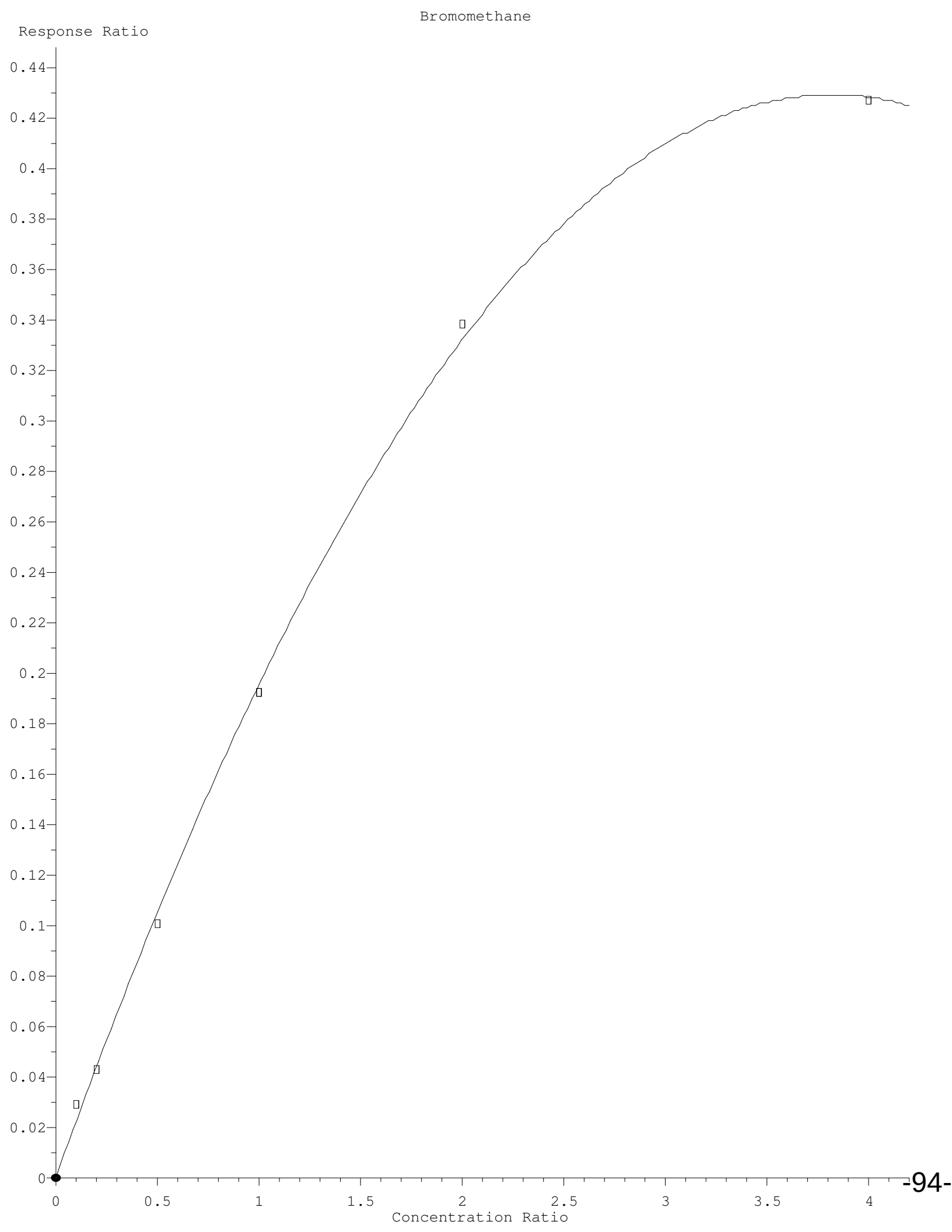
Method Path : C:\msdchem\1\qtmethods\
Method File : w8260-090718.M

61)	I	1,4-Dichlorobenzen...	----------ISTD----------							
62)		Chlorobenzene	2.896	2.865	2.541	2.524	2.098	2.145	2.512	13.55
63)		1,1,1,2-Tetrac...	0.936	0.880	0.841	0.817	0.653	0.676	0.801	14.12
64)		Ethylbenzene	1.635	1.434	1.373	1.370	1.153	1.170	1.356	13.18
65)		m,p-Xylene	4.139	3.902	3.732	3.736	3.103	3.000	3.602	12.58
66)		o-Xylene	2.094	1.828	1.786	1.748	1.333	1.375	1.694	17.15
67)		Styrene	2.663	2.339	2.415	2.528	2.122	2.191	2.376	8.56
68)		Isopropylbenzene	5.155	4.641	4.275	4.218	3.647	3.530	4.245	14.35
69)		Chloroprene	0.122	0.087	0.123	0.139	0.136	0.152	0.127	17.70
70)		trans-1,4-Dich...	0.105	0.095	0.132	0.136	0.145	0.158	0.128	18.70
71)		Bromobenzene	1.847	1.644	1.660	1.668	1.472	1.415	1.618	9.57
72)		1,2,3-Trichlor...	1.262	0.882	0.907	0.894	0.791	0.812	0.925	18.60
73)		2-Chlorotoluene	3.718	3.309	3.167	3.134	2.668	2.633	3.105	13.17
74)		4-Chlorotoluene	3.536	3.353	3.403	3.348	2.942	2.829	3.235	8.70
75)		1,3,5-Trimethy...	4.306	4.095	3.878	3.823	3.220	3.047	3.728	13.26
76)		tert-Butylbenzene	3.468	3.179	3.063	2.942	2.502	2.389	2.924	14.06
77)		1,2,4-Trimethy...	4.306	4.095	3.878	3.823	3.220	3.047	3.728	13.26
78)	S	Bromofluoroben...	1.440	1.438	1.441	1.467	1.286	1.356	1.404	4.92
79)		1,1,2,2-Tetrac...	1.166	1.132	1.057	1.064	0.904	0.882	1.034	11.31
80)		n-Propylbenzene	5.507	4.785	4.787	4.680	4.099	3.972	4.638	11.95
81)		1,3-Dichlorobe...	1.736	1.442	1.503	1.512	1.396	1.357	1.491	9.00
82)		sec-Butylbenzene	4.813	4.194	4.084	3.935	3.469	3.299	3.966	13.70
83)		4-Isopropyltol...	3.654	3.051	3.236	2.927	2.782	2.662	3.052	11.70
84)		1,4-Dichlorobe...	1.668	1.387	1.406	1.359	1.277	1.300	1.400	10.04
85)		1,2-Dichlorobe...	1.537	1.418	1.403	1.101	1.338	1.194	1.332	11.97
86)		n-Butylbenzene	2.642	2.087	2.348	1.939	2.417	2.203	2.273	11.02
87)		1,2-Dibromo-3-...	0.130	0.068	0.087	0.081	0.110	0.105	0.097	22.99
88)		1,2,4-Trichlor...	0.349	0.279	0.235	0.239	0.425	0.336	0.310	23.71
89)		Hexachlorobuta...	0.248	0.199	0.221	0.148	0.206	0.196	0.203	16.32
90)		Naphthalene	0.546	0.446	0.389	0.348	0.777	0.541	0.508	30.35
91)		1,2,3-Trichlor...	0.270	0.187	0.185	0.151	0.298	0.194	0.214	26.52

(#) = Out of Range


1,2-Dibromo-3-Chloropr
Response Ratio
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.5
1
1.5
2
2.5
3
3.5
4
Concentration Ratio


1,2,4-Trichlorobenzene
Response Ratio
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3
3.5
4
Concentration Ratio


Bromomethane
Response Ratio
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.5
1
1.5
2
2.5
3
3.5
4
Concentration Ratio

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7655.D
Acq On : 7 Sep 2018 13:36
Operator :
Sample : vstd050
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 15:13:35 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.02
2		Dichlorodifluoromethane	50.000	51.772	-3.5	100	0.00
3		Chloromethane	50.000	48.537	2.9	103	0.00
4		Vinyl Chloride	50.000	50.218	-0.4	100	-0.02
5		Bromomethane	50.000	48.982	2.0	100	0.00
6		Chloroethane	50.000	49.448	1.1	100	0.00
7		Acrolein	200.000	180.028	10.0	92	0.04
8		Trichlorofluoromethane	50.000	52.263	-4.5	100	0.00
9		Freon113	50.000	50.657	-1.3	100	-0.03
10		1,1-Dichloroethene	50.000	49.260	1.5	100	-0.03
11		Allyl Chloride	50.000	54.379	-8.8	103	0.04
12		Carbon Disulfide	50.000	47.374	5.3	100	-0.03
13		Acetone	50.000	43.347	13.3	92	-0.03
14		Iodomethane	50.000	47.997	4.0	100	0.04
15		Acetonitrile	500.000	445.998	10.8	100	0.04
16		Methyl Acetate	50.000	47.626	4.7	100	-0.04
17		Methylene Chloride	50.000	48.218	3.6	100	0.04
18		Acrylonitrile	200.000	173.604	13.2	89	0.04
19		trans-1,2-Dichloroethene	50.000	47.736	4.5	100	0.04
20		Mtbe	100.000	97.763	2.2	100	0.03
21		1,1-Dichloroethane	50.000	49.190	1.6	100	0.04
22		Hexane	50.000	46.307	7.4	100	0.03
23		cis-1,2-Dichloroethene	50.000	51.087	-2.2	100	0.03
24		2,2-Dichloropropane	50.000	51.648	-3.3	100	0.03
25		Propionitrile	500.000	459.606	8.1	92	0.03
26		Bromochloromethane	50.000	50.173	-0.3	100	0.03
27		Methacrylonitrile	500.000	525.154	-5.0	100	0.02
28		Chloroform	50.000	49.592	0.8	100	0.03
29		Cyclohexane	50.000	48.981	2.0	100	0.02
30		1,1-Dichloro-1-propene	50.000	49.208	1.6	100	0.03
31		1,2-Dichloroethane	50.000	50.603	-1.2	100	0.02
32		2-Butanone	50.000	45.441	9.1	88	0.03
33	s	1,2-Dichloroethane-d4	50.000	49.648	0.7	100	0.03
34	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
35		1,1,1-Trichloroethane	50.000	52.252	-4.5	100	0.02
36		Carbon Tetrachloride	50.000	51.934	-3.9	100	0.02
37		Benzene	50.000	51.980	-4.0	100	0.03
38		Isobutanol	1000.000	954.411	4.6	91	0.02
39		Heptane	50.000	52.968	-5.9	100	0.02
40		Trichloroethene	50.000	51.913	-3.8	100	0.02
41		Methyl Cyclohexane	50.000	46.469	7.1	100	0.01
42		1,2-Dichloropropane	50.000	47.151	5.7	100	0.02
43		Vinyl Acetate	50.000	50.750	-1.5	100	0.04
44		Dibromomethane	50.000	45.436	9.1	100	0.02
45		1,4-Dioxane	1000.000	841.542	15.8	87	0.03
46		Methyl Methacrylate	50.000	47.855	4.3	100	0.01
47		Bromodichloromethane	50.000	51.360	-2.7	100	0.02
48		cis-1,3-Dichloropropene	50.000	49.595	0.8	100	0.02
49		trans-1,3-Dichloropropene	50.000	51.041	-2.1	100	0.01
50		1,1,2-Trichloroethane	50.000	51.560	-3.1	100	0.01
51		1,3-Dichloropropane	50.000	53.718	-7.4	100	0.01
52		1,2-Dibromoethane	50.000	48.278	3.4	100	0.01
53		Dibromochloromethane	50.000	52.927	-5.9	100	0.01

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7655.D
Acq On : 7 Sep 2018 13:36
Operator :
Sample : vstd050
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 15:13:35 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54		Bromoform	50.000	53.441	-6.9	100	0.00
55		4-Methyl-2-Pentanone	50.000	48.980	2.0	100	0.01
56	s	Toluene-d8	50.000	49.166	1.7	100	0.02
57		Toluene	50.000	50.864	-1.7	100	0.01
58		Ethyl Metacrylate	50.000	52.485	-5.0	100	0.00
59		Tetrachloroethene	50.000	50.878	-1.8	100	0.01
60		2-Hexanone	50.000	47.054	5.9	100	0.00
61	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.01
62		Chlorobenzene	50.000	50.249	-0.5	100	0.00
63		1,1,1,2-Tetrachloroethane	50.000	51.051	-2.1	100	0.00
64		Ethylbenzene	50.000	50.535	-1.1	100	0.00
65		m,p-Xylene	100.000	103.734	-3.7	100	0.00
66		o-Xylene	50.000	51.607	-3.2	100	0.00
67		Styrene	50.000	53.197	-6.4	100	0.00
68		Isopropylbenzene	50.000	49.693	0.6	100	0.00
69		Chloroprene	50.000	55.082	-10.2	100	0.00
70		trans-1,4-Dichloro-2-butene	50.000	52.856	-5.7	100	0.00
71		Bromobenzene	50.000	51.556	-3.1	100	0.00
72		1,2,3-Trichloropropane	50.000	48.335	3.3	100	0.00
73		2-Chlorotoluene	50.000	50.474	-0.9	100	0.00
74		4-Chlorotoluene	50.000	51.751	-3.5	100	0.00
75		1,3,5-Trimethylbenzene	50.000	51.276	-2.6	100	0.00
76		tert-Butylbenzene	50.000	50.308	-0.6	100	0.00
77		1,2,4-Trimethylbenzene	50.000	51.276	-2.6	100	0.00
78	S	Bromofluorobenzene	50.000	52.218	-4.4	100	0.00
79		1,1,2,2-Tetrachloroethane	50.000	51.429	-2.9	100	0.00
80		n-Propylbenzene	50.000	50.445	-0.9	100	0.00
81		1,3-Dichlorobenzene	50.000	50.691	-1.4	100	0.00
82		sec-Butylbenzene	50.000	49.615	0.8	100	0.00
83		4-Isopropyltoluene	50.000	47.957	4.1	100	0.00
84		1,4-Dichlorobenzene	50.000	48.567	2.9	100	0.00
85		1,2-Dichlorobenzene	50.000	41.324	17.4	100	0.00
86		n-Butylbenzene	50.000	42.662	14.7	100	0.00
87		1,2-Dibromo-3-Chloropr	50.000	41.351	17.3	100	0.00
88		1,2,4-Trichlorobenzene	50.000	37.661	24.7	103	0.00
89		Hexachlorobutadiene	50.000	38.295	23.4	100	0.00
90		Naphthalene	50.000	25.572	48.9#	79	0.00
91		1,2,3-Trichlorobenzene	50.000	32.198	35.6#	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7730.D
Acq On : 10 Sep 2018 15:27
Operator :
Sample : vstd050
Misc : ccv 93 base voa
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 15:43:46 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
2		Dichlorodifluoromethane	50.000	54.895	-9.8	86	-0.04
3		Chloromethane	50.000	47.558	4.9	81	-0.04
4		Vinyl Chloride	50.000	50.718	-1.4	81	-0.05
5		Bromomethane	50.000	56.995	-14.0	92	-0.04
6		Chloroethane	50.000	49.159	1.7	80	-0.04
7		Acrolein	200.000	176.100	12.0	73	0.01
8		Trichlorofluoromethane	50.000	55.289	-10.6	85	-0.04
9		Freon113	50.000	53.522	-7.0	85	-0.06
10		1,1-Dichloroethene	50.000	50.758	-1.5	83	-0.06
11		Allyl Chloride	50.000	47.392	5.2	72	0.01
12		Carbon Disulfide	50.000	46.769	6.5	80	-0.06
13		Acetone	50.000	32.949	34.1#	56	-0.06
14		Iodomethane	50.000	32.248	35.5#	54	0.01
15		Acetonitrile	500.000	189.239	62.2#	34	0.02
16		Methyl Acetate	50.000	44.965	10.1	76	-0.06
17		Methylene Chloride	50.000	44.470	11.1	74	0.02
18		Acrylonitrile	200.000	169.603	15.2	70	0.02
19		trans-1,2-Dichloroethene	50.000	48.687	2.6	82	0.01
20		Mtbe	100.000	87.096	12.9	72	0.00
21		1,1-Dichloroethane	50.000	49.101	1.8	80	0.00
22		Hexane	50.000	38.944	22.1	68	0.01
23		cis-1,2-Dichloroethene	50.000	48.715	2.6	77	0.00
24		2,2-Dichloropropane	50.000	52.850	-5.7	82	0.01
25		Propionitrile	500.000	391.946	21.6	63	0.00
26		Bromochloromethane	50.000	49.606	0.8	80	0.00
27		Methacrylonitrile	500.000	490.069	2.0	75	0.00
28		Chloroform	50.000	47.514	5.0	77	0.01
29		Cyclohexane	50.000	48.503	3.0	80	0.00
30		1,1-Dichloro-1-propene	50.000	51.307	-2.6	84	0.01
31		1,2-Dichloroethane	50.000	46.102	7.8	73	0.01
32		2-Butanone	50.000	43.320	13.4	67	0.02
33	s	1,2-Dichloroethane-d4	50.000	48.492	3.0	79	0.00
34	I	Chlorobenzene-d5	50.000	50.000	0.0	79	0.00
35		1,1,1-Trichloroethane	50.000	51.216	-2.4	78	0.00
36		Carbon Tetrachloride	50.000	52.233	-4.5	80	0.00
37		Benzene	50.000	51.440	-2.9	78	0.00
38		Isobutanol	1000.000	853.544	14.6	64	0.00
39		Heptane	50.000	49.889	0.2	75	0.00
40		Trichloroethene	50.000	52.265	-4.5	80	0.01
41		Methyl Cyclohexane	50.000	56.458	-12.9	96	0.00
42		1,2-Dichloropropane	50.000	48.886	2.2	82	0.00
43		Vinyl Acetate	50.000	55.040	-10.1	86	0.02
44		Dibromomethane	50.000	57.878	-15.8	101	0.00
45		1,4-Dioxane	1000.000	899.764	10.0	74	0.02
46		Methyl Methacrylate	50.000	56.415	-12.8	93	0.00
47		Bromodichloromethane	50.000	53.952	-7.9	83	0.00
48		cis-1,3-Dichloropropene	50.000	51.566	-3.1	82	0.01
49		trans-1,3-Dichloropropene	50.000	48.463	3.1	75	0.00
50		1,1,2-Trichloroethane	50.000	49.402	1.2	76	0.00
51		1,3-Dichloropropane	50.000	49.361	1.3	73	0.00
52		1,2-Dibromoethane	50.000	47.953	4.1	79	0.00
53		Dibromochloromethane	50.000	49.423	1.2	74	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7730.D
Acq On : 10 Sep 2018 15:27
Operator :
Sample : vstd050
Misc : ccv 93 base voa
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 15:43:46 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

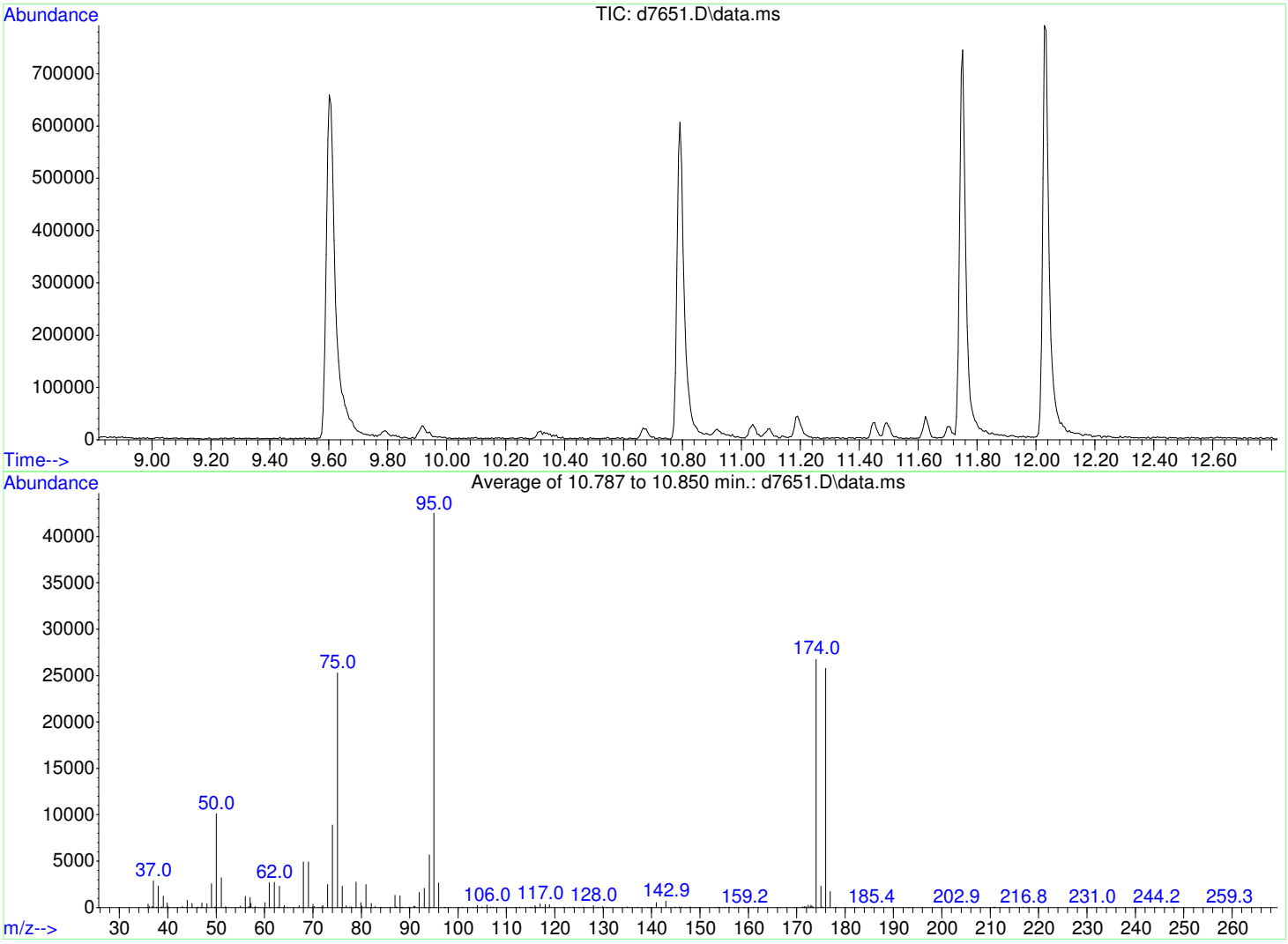
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54		Bromoform	50.000	50.833	-1.7	75	0.00
55		4-Methyl-2-Pentanone	50.000	56.520	-13.0	91	0.00
56	s	Toluene-d8	50.000	52.307	-4.6	84	0.00
57		Toluene	50.000	50.545	-1.1	79	0.00
58		Ethyl Metacrylate	50.000	52.144	-4.3	79	0.00
59		Tetrachloroethene	50.000	51.008	-2.0	79	0.00
60		2-Hexanone	50.000	49.119	1.8	83	0.00
61	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
62		Chlorobenzene	50.000	42.148	15.7	79	0.00
63		1,1,1,2-Tetrachloroethane	50.000	41.104	17.8	76	0.00
64		Ethylbenzene	50.000	43.100	13.8	81	0.00
65		m,p-Xylene	100.000	87.150	12.8	79	0.00
66		o-Xylene	50.000	42.208	15.6	77	0.00
67		Styrene	50.000	43.422	13.2	77	0.00
68		Isopropylbenzene	50.000	42.996	14.0	82	0.00
69		Chloroprene	50.000	51.038	-2.1	88	0.00
70		trans-1,4-Dichloro-2-butene	50.000	49.185	1.6	88	0.00
71		Bromobenzene	50.000	42.395	15.2	78	0.00
72		1,2,3-Trichloropropane	50.000	40.732	18.5	80	0.00
73		2-Chlorotoluene	50.000	42.420	15.2	79	0.00
74		4-Chlorotoluene	50.000	43.700	12.6	80	0.00
75		1,3,5-Trimethylbenzene	50.000	42.887	14.2	79	0.00
76		tert-Butylbenzene	50.000	43.028	13.9	81	0.00
77		1,2,4-Trimethylbenzene	50.000	42.887	14.2	79	0.00
78	S	Bromofluorobenzene	50.000	44.357	11.3	80	0.00
79		1,1,2,2-Tetrachloroethane	50.000	42.915	14.2	79	0.00
80		n-Propylbenzene	50.000	43.089	13.8	81	0.00
81		1,3-Dichlorobenzene	50.000	46.750	6.5	87	0.00
82		sec-Butylbenzene	50.000	42.435	15.1	81	0.00
83		4-Isopropyltoluene	50.000	44.732	10.5	88	0.00
84		1,4-Dichlorobenzene	50.000	47.995	4.0	93	0.00
85		1,2-Dichlorobenzene	50.000	47.864	4.3	109	0.00
86		n-Butylbenzene	50.000	47.772	4.5	106	0.00
87		1,2-Dibromo-3-Chloropr	50.000	49.438	1.1	115	0.00
88		1,2,4-Trichlorobenzene	50.000	54.550	-9.1	145	0.00
89		Hexachlorobutadiene	50.000	48.729	2.5	121	0.00
90		Naphthalene	50.000	43.926	12.1	133	0.00
91		1,2,3-Trichlorobenzene	50.000	54.908	-9.8	149	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7651.D
Acq On : 7 Sep 2018 12:04
Operator :
Sample : bfb
Misc : tune bfb
ALS Vial : 51 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\qtmethods\w8260-090718.M
Title : Voa Calibration 8260 Water
Last Update : Tue Sep 11 09:23:29 2018



Spectrum Information: Average of 10.787 to 10.850 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	10103	PASS
75	95	30	60	59.5	25303	PASS
95	95	100	100	100.0	42532	PASS
96	95	5	9	6.3	2667	PASS
173	174	0.00	2	0.9	253	PASS
174	95	50	100	62.9	26752	PASS
175	174	5	9	8.6	2291	PASS
176	174	95	101	96.3	25764	PASS
177	176	5	9	6.7	1714	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7652.D
Acq On : 7 Sep 2018 12:29
Operator :
Sample : vstd005
Misc : ical 93 base voa
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 07 14:51:36 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 11:15:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	456894	50.00	ug		0.01
34) Chlorobenzene-d5	9.602	117	421686	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.752	152	147548	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.355	65	200207	56.27	ug		0.01
56) Toluene-d8	7.767	98	610849	51.88	ug		0.01
78) Bromofluorobenzene	10.792	95	212403	53.74	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.280	85	9367	4.12	ug		100
3) Chloromethane	1.416	50	18747	5.29	ug		100
4) Vinyl Chloride	1.494	62	13893	4.58	ug		89
5) Bromomethane	1.737	94	13307	5.36	ug		83
6) Chloroethane	1.815	64	10483	4.62	ug		100
7) Acrolein	2.387	56	11134m	24.02	ug		
8) Trichlorofluoromethane	2.019	101	24185	4.43	ug		98
9) Freon113	2.477	101	13923	5.61	ug		96
10) 1,1-Dichloroethene	2.471	96	13147	5.46	ug		90
11) Allyl Chloride	2.817	41	28477m	5.14	ug		
12) Carbon Disulfide	2.676	76	41713	6.06	ug		100
13) Acetone	2.529	43	11449m	6.63	ug		
14) Iodomethane	2.613	142	6994m	8.77	ug		
15) Acetonitrile	2.812	40	12045m	54.94	ug		
16) Methyl Acetate	2.865	43	10141m	4.98	ug		
17) Methylene Chloride	2.948	84	18406m	6.09	ug		
18) Acrylonitrile	3.242	53	21058m	25.14	ug		
19) trans-1,2-Dichloroethene	3.253	96	14454m	5.07	ug		
20) Mtbe	3.279	73	62119	9.92	ug		93
21) 1,1-Dichloroethane	3.724	63	26800	5.12	ug		88
22) Hexane	3.599	43	7336m	6.55	ug		
23) cis-1,2-Dichloroethene	4.406	61	26021m	5.53	ug		
24) 2,2-Dichloropropane	4.396	77	15320	5.25	ug	#	64
25) Propionitrile	4.516	54	15534m	52.51	ug		
26) Bromochloromethane	4.679	128	6997m	4.86	ug		
27) Methacrylonitrile	4.673	67	55487m	55.69	ug		
28) Chloroform	4.789	83	29975	4.93	ug		98
29) Cyclohexane	5.051	84	25094	5.45	ug	#	91
30) 1,1-Dichloro-1-propene	5.192	75	20980m	5.44	ug		
31) 1,2-Dichloroethane	5.449	62	26701m	5.13	ug		
32) 2-Butanone	4.485	43	9274m	6.77	ug		
35) 1,1,1-Trichloroethane	4.988	97	24951	4.48	ug		91
36) Carbon Tetrachloride	5.182	117	19237	4.58	ug		94
37) Benzene	5.434	78	55318	4.33	ug		100
38) Isobutanol	5.418	43	9992m	107.39	ug		
39) Heptane	5.822	43	15384	4.72	ug	#	27
40) Trichloroethene	6.236	130	15545	4.95	ug		87
41) Methyl Cyclohexane	6.461	83	23870	4.51	ug	#	82
42) 1,2-Dichloropropane	6.498	63	14972	4.53	ug		68
43) Vinyl Acetate	3.835	43	13281m	5.51	ug		
44) Dibromomethane	6.645	174	7021m	4.36	ug		
45) 1,4-Dioxane	6.692	88	3758m	116.58	ug		
46) Methyl Methacrylate	6.723	69	7915m	4.41	ug		
47) Bromodichloromethane	6.844	83	21837	4.60	ug		85
48) cis-1,3-Dichloropropene	7.442	75	21342m	5.17	ug		
49) trans-1,3-Dichloropropene	8.171	75	18049m	5.77	ug		
50) 1,1,2-Trichloroethane	8.375	97	15300m	5.73	ug		
51) 1,3-Dichloropropane	8.600	76	22413m	4.96	ug		

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7652.D
Acq On : 7 Sep 2018 12:29
Operator :
Sample : vstd005
Misc : ical 93 base voa
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 07 14:51:36 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 11:15:35 2018
Response via : Initial Calibration

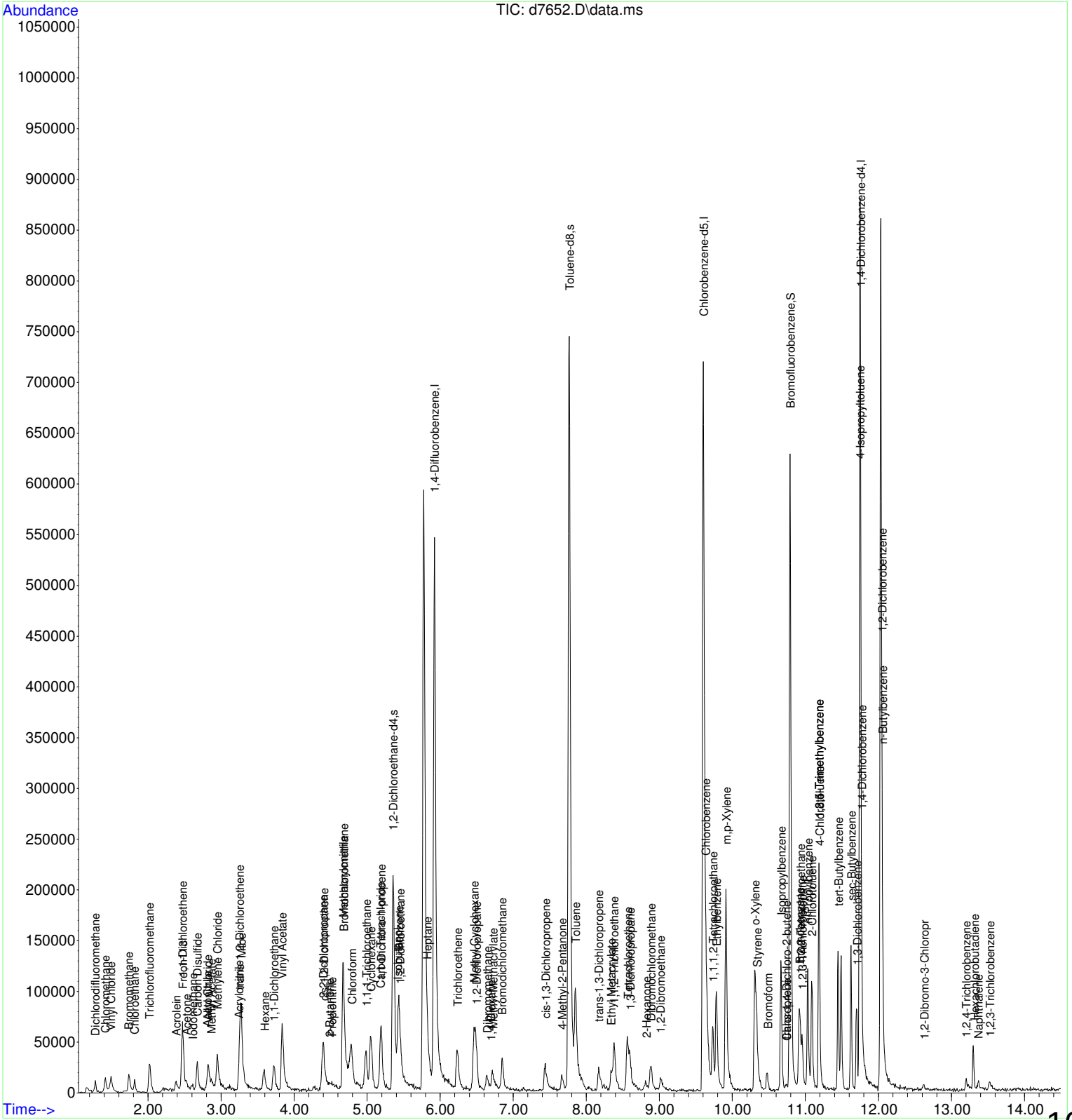
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	9.015	107	13568m	5.60	ug		
53) Dibromochloromethane	8.884	129	14612	5.36	ug		94
54) Bromoform	10.483	173	6061	4.52	ug		81
55) 4-Methyl-2-Pentanone	7.667	43	11661	4.45	ug		80
57) Toluene	7.851	92	40792m	5.37	ug		
58) Ethyl Metacrylate	8.338	69	15325m	5.70	ug		
59) Tetrachloroethene	8.569	164	12705	6.14	ug		93
60) 2-Hexanone	8.821	43	10321m	5.52	ug		
62) Chlorobenzene	9.633	112	42731	6.65	ug		96
63) 1,1,1,2-Tetrachloroethane	9.733	133	13806	5.90	ug		89
64) Ethylbenzene	9.780	106	24117	7.28	ug		95
65) m,p-Xylene	9.911	91	122146	12.54	ug		92
66) o-Xylene	10.304	106	30894	7.11	ug		94
67) Styrene	10.336	104	39292	6.63	ug		73
68) Isopropylbenzene	10.666	105	76054	6.63	ug		99
69) Chloroprene	10.740	53	1802	6.54	ug	#	79
70) trans-1,4-Dichloro-2-b...	10.734	88	1550m	5.40	ug		
71) Bromobenzene	10.918	77	27254	5.95	ug	#	70
72) 1,2,3-Trichloropropane	10.955	75	18627m	8.18	ug		
73) 2-Chlorotoluene	11.086	91	54856	6.38	ug		94
74) 4-Chlorotoluene	11.191	91	52169	5.94	ug		95
75) 1,3,5-Trimethylbenzene	11.185	105	63539	6.31	ug		96
76) tert-Butylbenzene	11.447	119	51173	6.69	ug		100
77) 1,2,4-Trimethylbenzene	11.185	105	63539	6.31	ug		97
79) 1,1,2,2-Tetrachloroethane	10.928	83	17206	6.31	ug		91
80) n-Propylbenzene	11.033	91	81256	6.70	ug		96
81) 1,3-Dichlorobenzene	11.704	146	25621	6.81	ug	#	88
82) sec-Butylbenzene	11.626	105	71013	6.99	ug		98
83) 4-Isopropyltoluene	11.741	119	53919	7.03	ug	#	86
84) 1,4-Dichlorobenzene	11.767	146	24609m	6.78	ug		
85) 1,2-Dichlorobenzene	12.045	146	22682	6.08	ug	#	1
86) n-Butylbenzene	12.050	91	38989	7.05	ug		90
87) 1,2-Dibromo-3-Chloropr	12.622	157	1911m	10.82	ug		
88) 1,2,4-Trichlorobenzene	13.193	180	5154m	8.41	ug		
89) Hexachlorobutadiene	13.309	225	3666	6.83	ug	#	72
90) Naphthalene	13.361	128	8050	10.54	ug	#	92
91) 1,2,3-Trichlorobenzene	13.518	180	3980m	9.75	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7652.D
Acq On : 7 Sep 2018 12:29
Operator :
Sample : vstd005
Misc : ical 93 base voa
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 07 14:51:36 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 11:15:35 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7653.D
Acq On : 7 Sep 2018 12:50
Operator :
Sample : vstd010
Misc : ical 93 base voa
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 07 14:53:22 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 12:48:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.932	114	516569	50.00	ug		0.01
34) Chlorobenzene-d5	9.602	117	428960	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.751	152	151760	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.365	65	194507	42.96	ug		0.01
56) Toluene-d8	7.772	98	606109	48.77	ug		0.00
78) Bromofluorobenzene	10.792	95	218198	49.94	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.290	85	17834	8.42	ug	#	93
3) Chloromethane	1.426	50	35574	8.39	ug		97
4) Vinyl Chloride	1.513	62	28915	9.20	ug		97
5) Bromomethane	1.757	94	22201	7.38	ug		92
6) Chloroethane	1.834	64	19326	8.15	ug		97
7) Acrolein	2.398	56	22048m	32.03	ug		
8) Trichlorofluoromethane	2.039	101	49661	9.08	ug		98
9) Freon113	2.503	101	25932	8.24	ug		89
10) 1,1-Dichloroethene	2.482	96	26010	8.75	ug		92
11) Allyl Chloride	2.844	41	49028	7.61	ug		79
12) Carbon Disulfide	2.692	76	68403	7.25	ug		100
13) Acetone	2.539	43	21200m	8.19	ug		
14) Iodomethane	2.623	142	10718	6.78	ug		96
15) Acetonitrile	2.823	40	22995m	89.48	ug		
16) Methyl Acetate	2.880	43	21900	9.55	ug	#	84
17) Methylene Chloride	2.964	84	33308	8.00	ug	#	67
18) Acrylonitrile	3.242	53	39685m	33.34	ug		
19) trans-1,2-Dichloroethene	3.279	96	26651	8.15	ug		90
20) Mtbe	3.284	73	132452	18.86	ug		96
21) 1,1-Dichloroethane	3.735	63	53090	8.76	ug		88
22) Hexane	3.604	43	12325	7.43	ug		98
23) cis-1,2-Dichloroethene	4.416	61	46111	7.84	ug		88
24) 2,2-Dichloropropane	4.406	77	27988	8.08	ug		88
25) Propionitrile	4.500	54	32582m	81.48	ug		
26) Bromochloromethane	4.684	128	13381	8.46	ug	#	22
27) Methacrylonitrile	4.684	67	84418	67.28	ug	#	67
28) Chloroform	4.789	83	62662	9.24	ug		92
29) Cyclohexane	5.067	84	41227	7.27	ug	#	76
30) 1,1-Dichloro-1-propene	5.203	75	41216	8.69	ug		89
31) 1,2-Dichloroethane	5.465	62	52224	8.65	ug		97
32) 2-Butanone	4.458	43	14874m	7.09	ug		
35) 1,1,1-Trichloroethane	4.988	97	50517	9.95	ug		99
36) Carbon Tetrachloride	5.203	117	36642	9.36	ug		92
37) Benzene	5.439	78	121269	10.78	ug		100
38) Isobutanol	5.418	43	21528m	211.80	ug		
39) Heptane	5.827	43	24138	7.71	ug	#	71
40) Trichloroethene	6.236	130	29387	9.29	ug		89
41) Methyl Cyclohexane	6.472	83	43433	8.94	ug	#	81
42) 1,2-Dichloropropane	6.493	63	28638	9.40	ug		89
43) Vinyl Acetate	3.834	43	23896	8.84	ug	#	100
44) Dibromomethane	6.645	174	10162	7.11	ug	#	4
45) 1,4-Dioxane	6.713	88	5263m	137.67	ug		
46) Methyl Methacrylate	6.713	69	13233	8.22	ug	#	70
47) Bromodichloromethane	6.860	83	35510	7.99	ug		98
48) cis-1,3-Dichloropropene	7.442	75	34126	7.86	ug		89
49) trans-1,3-Dichloropropene	8.170	75	29275	7.97	ug		92
50) 1,1,2-Trichloroethane	8.380	97	26759	8.60	ug		96
51) 1,3-Dichloropropane	8.600	76	44685	9.80	ug	#	70

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7653.D
Acq On : 7 Sep 2018 12:50
Operator :
Sample : vstd010
Misc : ical 93 base voa
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 07 14:53:22 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 12:48:05 2018
Response via : Initial Calibration

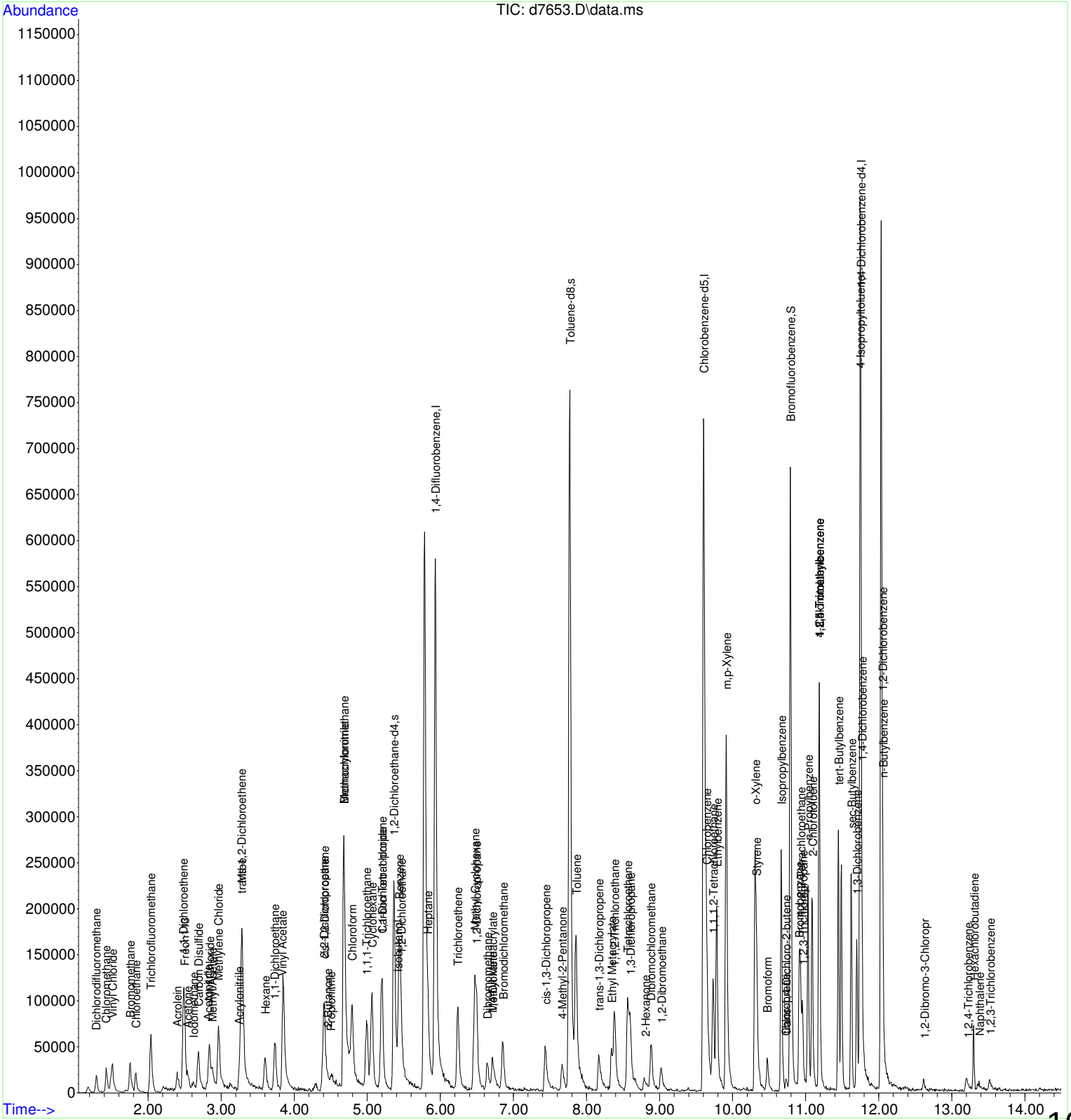
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	9.025	107	22992	8.33	ug		87
53) Dibromochloromethane	8.878	129	30092	10.12	ug		94
54) Bromoform	10.472	173	12939	10.49	ug		93
55) 4-Methyl-2-Pentanone	7.667	43	23916	10.08	ug		89
57) Toluene	7.861	92	79485	9.58	ug		98
58) Ethyl Metacrylate	8.344	69	24804	7.96	ug		98
59) Tetrachloroethene	8.564	164	21200	8.20	ug		96
60) 2-Hexanone	8.805	43	20640m	9.83	ug		
62) Chlorobenzene	9.644	112	86972	9.89	ug		98
63) 1,1,1,2-Tetrachloroethane	9.733	133	26715	9.41	ug		92
64) Ethylbenzene	9.785	106	43514	8.77	ug		99
65) m,p-Xylene	9.911	91	236873	18.85	ug		92
66) o-Xylene	10.310	106	55494	8.73	ug	#	75
67) Styrene	10.325	104	70981	8.78	ug	#	67
68) Isopropylbenzene	10.666	105	140872	9.00	ug		97
69) Chloroprene	10.724	53	2636	7.11	ug	#	78
70) trans-1,4-Dichloro-2-b...	10.729	88	2881	9.04	ug	#	22
71) Bromobenzene	10.907	77	49896	8.90	ug	#	73
72) 1,2,3-Trichloropropane	10.960	75	26760m	6.98	ug		
73) 2-Chlorotoluene	11.091	91	100434	8.90	ug		98
74) 4-Chlorotoluene	11.185	91	101762	9.48	ug		95
75) 1,3,5-Trimethylbenzene	11.185	105	124303	9.51	ug		94
76) tert-Butylbenzene	11.447	119	96496	9.17	ug		100
77) 1,2,4-Trimethylbenzene	11.185	105	124303	9.51	ug		96
79) 1,1,2,2-Tetrachloroethane	10.928	83	34373	9.71	ug		91
80) n-Propylbenzene	11.033	91	145220	8.69	ug		99
81) 1,3-Dichlorobenzene	11.699	146	43782	8.31	ug	#	80
82) sec-Butylbenzene	11.626	105	127283	8.71	ug		96
83) 4-Isopropyltoluene	11.741	119	92602	8.35	ug	#	86
84) 1,4-Dichlorobenzene	11.767	146	42108	8.32	ug	#	27
85) 1,2-Dichlorobenzene	12.050	146	43048	9.23	ug	#	42
86) n-Butylbenzene	12.056	91	63358	7.90	ug	#	83
87) 1,2-Dibromo-3-Chloropr	12.622	157	2076m	5.28	ug		
88) 1,2,4-Trichlorobenzene	13.214	180	8454m	7.97	ug		
89) Hexachlorobutadiene	13.298	225	6048	8.02	ug	#	86
90) Naphthalene	13.372	128	13536m	8.17	ug		
91) 1,2,3-Trichlorobenzene	13.518	180	5671m	6.93	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7653.D
Acq On : 7 Sep 2018 12:50
Operator :
Sample : vstd010
Misc : ical 93 base voa
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 07 14:53:22 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 12:48:05 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7654.D
Acq On : 7 Sep 2018 13:14
Operator :
Sample : vstd025
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 14:54:56 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:18:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	507582	50.00	ug		-0.01
34) Chlorobenzene-d5	9.602	117	434610	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.746	152	158641	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.355	65	220152	53.24	ug		-0.01
56) Toluene-d8	7.761	98	594383	47.79	ug		-0.01
78) Bromofluorobenzene	10.787	95	228524	50.06	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.280	85	43474	22.68	ug		97
3) Chloromethane	1.416	50	84285	22.00	ug		96
4) Vinyl Chloride	1.494	62	66459	22.42	ug		93
5) Bromomethane	1.737	94	51136	19.90	ug		98
6) Chloroethane	1.815	64	43747	20.69	ug		97
7) Acrolein	2.377	56	46386m	87.07	ug		
8) Trichlorofluoromethane	2.029	101	123191	24.03	ug		97
9) Freon113	2.477	101	60896	21.59	ug		96
10) 1,1-Dichloroethene	2.471	96	67140	24.52	ug		89
11) Allyl Chloride	2.823	41	127780	22.93	ug		83
12) Carbon Disulfide	2.676	76	162016	20.27	ug		100
13) Acetone	2.518	43	41535m	20.60	ug		
14) Iodomethane	2.602	142	23436	17.98	ug		89
15) Acetonitrile	2.817	40	51217m	292.69	ug		
16) Methyl Acetate	2.859	43	52407	23.79	ug		90
17) Methylene Chloride	2.948	84	71064	19.30	ug	#	60
18) Acrylonitrile	3.226	53	90133m	117.02	ug		
19) trans-1,2-Dichloroethene	3.258	96	66619	22.85	ug		92
20) Mtbe	3.273	73	296231	44.19	ug		97
21) 1,1-Dichloroethane	3.714	63	126481	22.64	ug		91
22) Hexane	3.588	43	31435	22.13	ug		92
23) cis-1,2-Dichloroethene	4.395	61	106146	20.59	ug		93
24) 2,2-Dichloropropane	4.390	77	71980	23.39	ug	#	69
25) Propionitrile	4.485	54	77904m	288.59	ug		
26) Bromochloromethane	4.663	128	36040	25.12	ug	#	40
27) Methacrylonitrile	4.663	67	251897	244.28	ug	#	85
28) Chloroform	4.778	83	140657	21.95	ug		98
29) Cyclohexane	5.056	84	106500	22.13	ug	#	78
30) 1,1-Dichloro-1-propene	5.187	75	98562	22.63	ug		81
31) 1,2-Dichloroethane	5.444	62	127245	23.00	ug		92
32) 2-Butanone	4.437	43	35486m	22.29	ug		
35) 1,1,1-Trichloroethane	4.977	97	125827	24.52	ug		97
36) Carbon Tetrachloride	5.182	117	92817	24.18	ug		97
37) Benzene	5.428	78	295828	24.98	ug		100
38) Isobutanol	5.418	43	55169m	723.23	ug		
39) Heptane	5.816	43	76424	27.21	ug	#	76
40) Trichloroethene	6.231	130	76423	24.73	ug		95
41) Methyl Cyclohexane	6.461	83	107452	23.06	ug	#	86
42) 1,2-Dichloropropane	6.493	63	68835	22.99	ug		89
43) Vinyl Acetate	3.819	43	70722	27.42	ug	#	100
44) Dibromomethane	6.629	174	30970	25.01	ug	#	24
45) 1,4-Dioxane	6.702	88	14801m	614.73	ug		
46) Methyl Methacrylate	6.702	69	34430	23.17	ug	#	65
47) Bromodichloromethane	6.844	83	96366	23.80	ug		87
48) cis-1,3-Dichloropropene	7.426	75	88055	22.42	ug		97
49) trans-1,3-Dichloropropene	8.160	75	65894	19.71	ug		92
50) 1,1,2-Trichloroethane	8.375	97	64432	21.97	ug		97
51) 1,3-Dichloropropane	8.590	76	101429	22.18	ug	#	62

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7654.D
Acq On : 7 Sep 2018 13:14
Operator :
Sample : vstd025
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

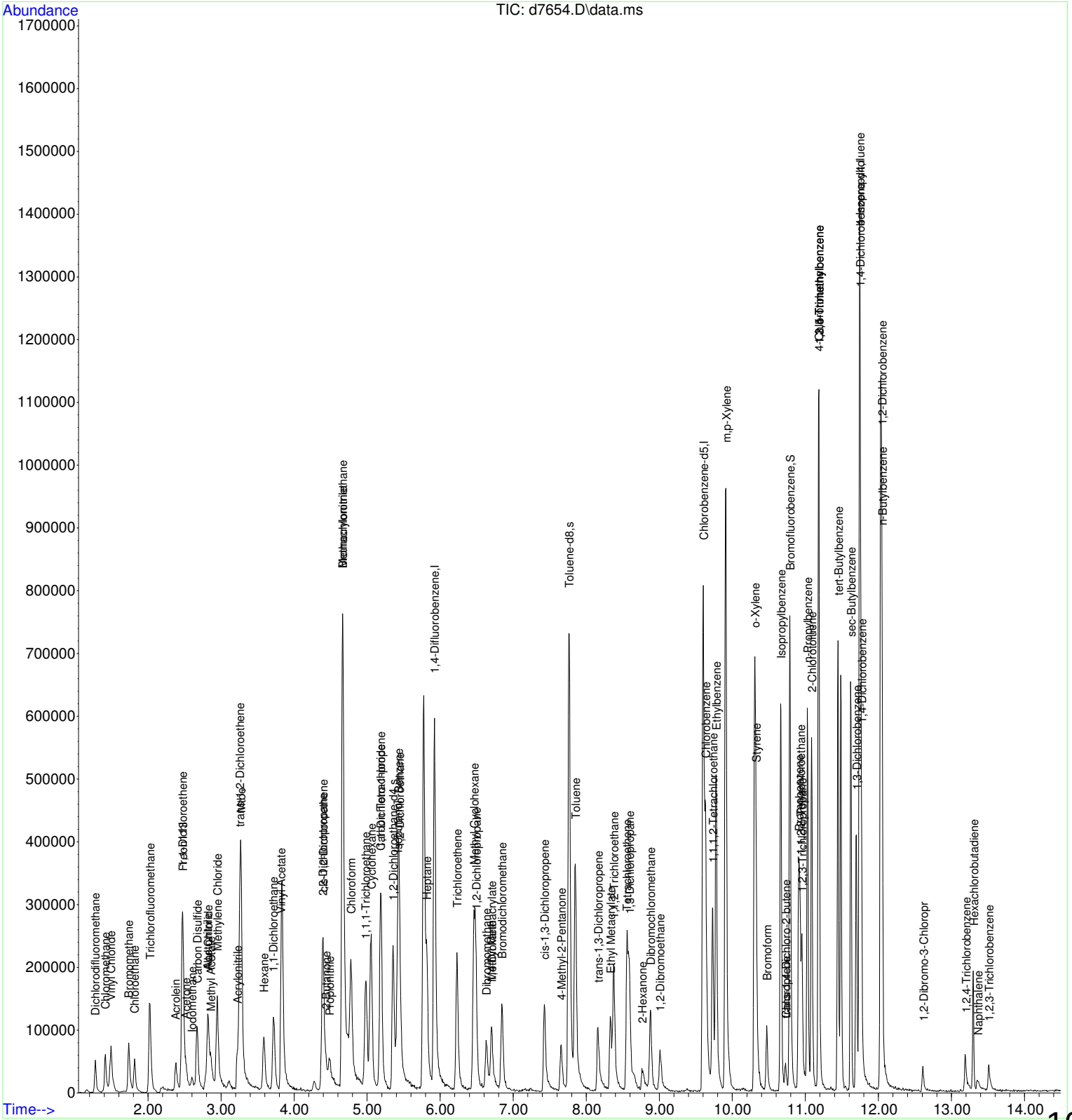
Quant Time: Sep 07 14:54:56 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:18:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	9.004	107	54285	21.18	ug		96
53) Dibromochloromethane	8.878	129	70231	23.18	ug		86
54) Bromoform	10.472	173	37825	29.55	ug		93
55) 4-Methyl-2-Pentanone	7.657	43	60950	25.25	ug		88
57) Toluene	7.851	92	171654	20.86	ug		92
58) Ethyl Metacrylate	8.333	69	71311	25.14	ug	#	92
59) Tetrachloroethene	8.553	164	50264	21.09	ug		95
60) 2-Hexanone	8.763	43	45704m	29.61	ug		
62) Chlorobenzene	9.633	112	201570	22.05	ug		98
63) 1,1,1,2-Tetrachloroethane	9.733	133	66734	23.17	ug		99
64) Ethylbenzene	9.775	106	108895	22.37	ug		97
65) m,p-Xylene	9.911	91	592028	46.41	ug		88
66) o-Xylene	10.304	106	141652	22.77	ug	#	86
67) Styrene	10.325	104	191538	24.14	ug		71
68) Isopropylbenzene	10.661	105	339110	21.82	ug		97
69) Chloroprene	10.729	53	9728	29.34	ug	#	80
70) trans-1,4-Dichloro-2-b...	10.729	88	10457	32.96	ug	#	55
71) Bromobenzene	10.907	77	131684	23.78	ug	#	70
72) 1,2,3-Trichloropropane	10.949	75	71953	22.25	ug		90
73) 2-Chlorotoluene	11.086	91	251209	22.54	ug		96
74) 4-Chlorotoluene	11.180	91	269939	24.70	ug		92
75) 1,3,5-Trimethylbenzene	11.185	105	307584	23.08	ug		95
76) tert-Butylbenzene	11.447	119	242968	23.04	ug		97
77) 1,2,4-Trimethylbenzene	11.185	105	307584	23.08	ug		97
79) 1,1,2,2-Tetrachloroethane	10.928	83	83834	22.99	ug		94
80) n-Propylbenzene	11.028	91	379731	23.26	ug		96
81) 1,3-Dichlorobenzene	11.699	146	119241	23.64	ug	#	82
82) sec-Butylbenzene	11.620	105	323916	22.67	ug		96
83) 4-Isopropyltoluene	11.741	119	256655	24.13	ug	#	89
84) 1,4-Dichlorobenzene	11.767	146	111516	23.01	ug	#	55
85) 1,2-Dichlorobenzene	12.045	146	111294	23.74	ug	#	67
86) n-Butylbenzene	12.050	91	186254	24.82	ug	#	87
87) 1,2-Dibromo-3-Chloropr	12.611	157	6865m	21.86	ug		
88) 1,2,4-Trichlorobenzene	13.193	180	18637m	19.85	ug		
89) Hexachlorobutadiene	13.298	225	17512	24.66	ug		92
90) Naphthalene	13.356	128	30841m	19.61	ug		
91) 1,2,3-Trichlorobenzene	13.508	180	14654m	21.23	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7654.D
Acq On : 7 Sep 2018 13:14
Operator :
Sample : vstd025
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 14:54:56 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:18:25 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7655.D
Acq On : 7 Sep 2018 13:36
Operator :
Sample : vstd050
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 15:13:35 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	450083	50.00	ug		0.02
34) Chlorobenzene-d5	9.596	117	383150	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.751	152	146306	50.00	ug		0.01
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.350	65	188354	49.65	ug		0.03
56) Toluene-d8	7.761	98	529396	49.17	ug		0.02
78) Bromofluorobenzene	10.787	95	214598	52.22	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.260	85	79271m	51.77	ug		
3) Chloromethane	1.397	50	145614m	48.54	ug		
4) Vinyl Chloride	1.474	62	121797m	50.22	ug		
5) Bromomethane	1.717	94	86963m	48.98	ug		
6) Chloroethane	1.795	64	81456	49.45	ug		99
7) Acrolein	2.356	56	81929	180.03	ug	#	83
8) Trichlorofluoromethane	2.009	101	223870	52.26	ug		96
9) Freon113	2.466	101	111002	50.66	ug		96
10) 1,1-Dichloroethene	2.450	96	111804	49.26	ug	#	77
11) Allyl Chloride	2.801	41	276158m	54.38	ug		
12) Carbon Disulfide	2.649	76	292418	47.37	ug		100
13) Acetone	2.503	43	73940	43.35	ug		96
14) Iodomethane	2.581	142	52654	48.00	ug	#	82
15) Acetonitrile	2.770	40	85224m	446.00	ug		
16) Methyl Acetate	2.838	43	96449	47.63	ug		97
17) Methylene Chloride	2.927	84	133716	48.22	ug	#	65
18) Acrylonitrile	3.200	53	155275	173.60	ug		91
19) trans-1,2-Dichloroethene	3.237	96	115030	47.74	ug	#	85
20) Mtbe	3.252	73	551596	97.76	ug		97
21) 1,1-Dichloroethane	3.708	63	230633	49.19	ug		90
22) Hexane	3.567	43	49625	46.31	ug		91
23) cis-1,2-Dichloroethene	4.385	61	220090	51.09	ug		89
24) 2,2-Dichloropropane	4.380	77	135599	51.65	ug	#	63
25) Propionitrile	4.469	54	137356	459.61	ug		93
26) Bromochloromethane	4.657	128	62713	50.17	ug	#	32
27) Methacrylonitrile	4.652	67	494371	525.15	ug	#	76
28) Chloroform	4.768	83	261123	49.59	ug		96
29) Cyclohexane	5.040	84	188485	48.98	ug	#	76
30) 1,1-Dichloro-1-propene	5.182	75	176255	49.21	ug	#	80
31) 1,2-Dichloroethane	5.433	62	240096	50.60	ug		93
32) 2-Butanone	4.427	43	64564	45.44	ug		99
35) 1,1,1-Trichloroethane	4.972	97	230322	52.25	ug		99
36) Carbon Tetrachloride	5.171	117	165961	51.93	ug		98
37) Benzene	5.423	78	532313	51.98	ug		100
38) Isobutanol	5.397	43	94188	954.41	ug	#	61
39) Heptane	5.811	43	134010	52.97	ug	#	73
40) Trichloroethene	6.220	130	137525	51.91	ug		95
41) Methyl Cyclohexane	6.451	83	175361	46.47	ug	#	86
42) 1,2-Dichloropropane	6.482	63	119534	47.15	ug		88
43) Vinyl Acetate	3.803	43	140293	50.75	ug	#	100
44) Dibromomethane	6.618	174	51796	45.44	ug	#	20
45) 1,4-Dioxane	6.687	88	23121	841.54	ug		86
46) Methyl Methacrylate	6.692	69	67566	47.86	ug	#	62
47) Bromodichloromethane	6.839	83	185440	51.36	ug		84
48) cis-1,3-Dichloropropene	7.421	75	163315	49.60	ug		97
49) trans-1,3-Dichloropropene	8.149	75	144621	51.04	ug		95
50) 1,1,2-Trichloroethane	8.375	97	124595	51.56	ug		88
51) 1,3-Dichloropropane	8.585	76	210005	53.72	ug	#	69

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7655.D
Acq On : 7 Sep 2018 13:36
Operator :
Sample : vstd050
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 15:13:35 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

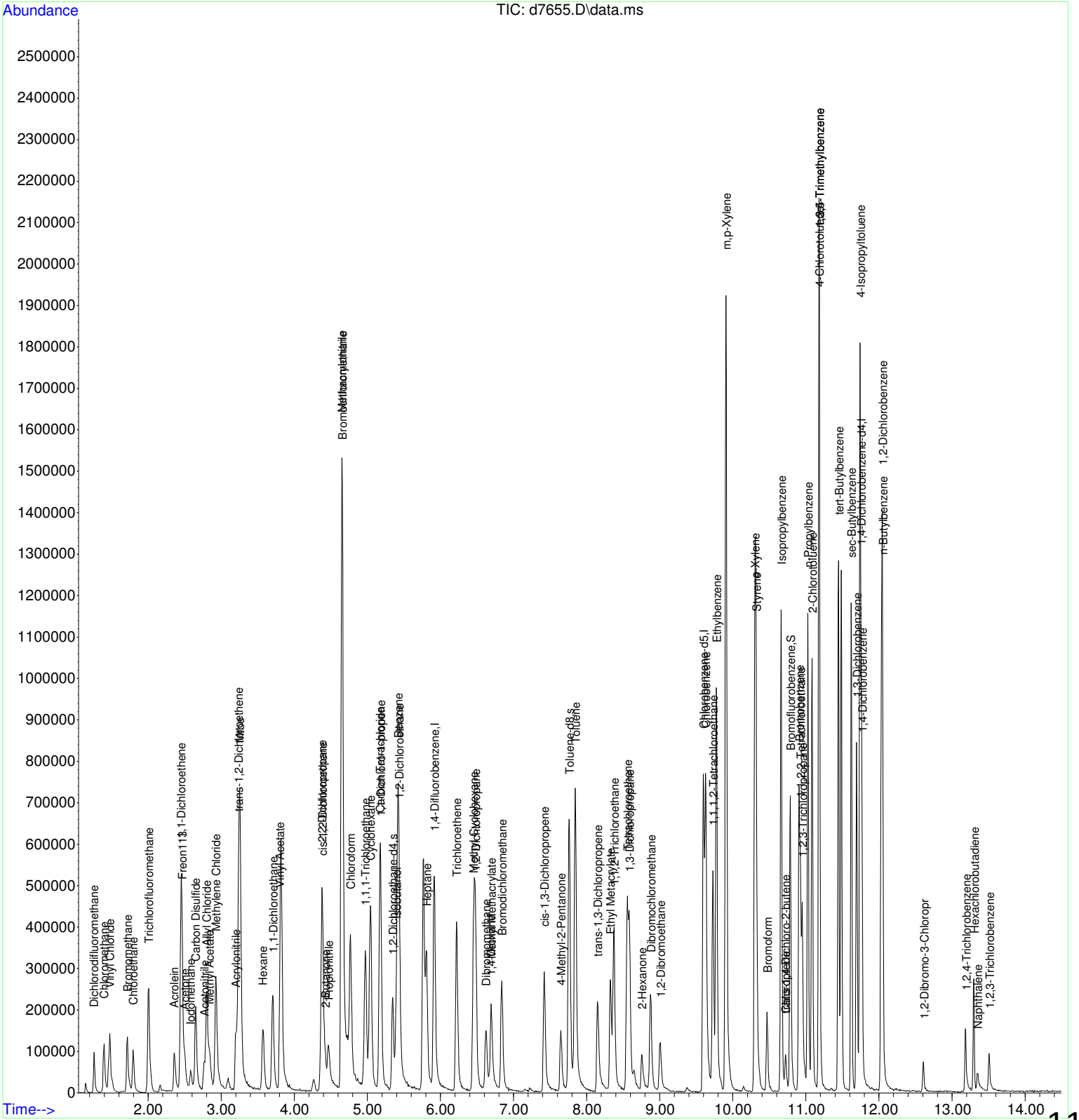
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	9.009	107	98559	48.28	ug		97
53) Dibromochloromethane	8.878	129	139827	52.93	ug		97
54) Bromoform	10.472	173	67605	53.44	ug		94
55) 4-Methyl-2-Pentanone	7.646	43	110558	48.98	ug		92
57) Toluene	7.845	92	338697	50.86	ug		95
58) Ethyl Metacrylate	8.322	69	142292	52.49	ug	#	98
59) Tetrachloroethene	8.558	164	97395	50.88	ug		86
60) 2-Hexanone	8.752	43	82696	47.05	ug		80
62) Chlorobenzene	9.628	112	369300	50.25	ug		99
63) 1,1,1,2-Tetrachloroethane	9.727	133	119587	51.05	ug		97
64) Ethylbenzene	9.775	106	200481	50.54	ug		96
65) m,p-Xylene	9.906	91	1093322	103.73	ug		90
66) o-Xylene	10.299	106	255793	51.61	ug	#	84
67) Styrene	10.320	104	369902	53.20	ug		74
68) Isopropylbenzene	10.661	105	617182	49.69	ug		97
69) Chloroprene	10.718	53	20392	55.08	ug		91
70) trans-1,4-Dichloro-2-b...	10.718	88	19869	52.86	ug	#	55
71) Bromobenzene	10.907	77	244057	51.56	ug	#	70
72) 1,2,3-Trichloropropane	10.949	75	130772	48.33	ug	#	86
73) 2-Chlorotoluene	11.085	91	458559	50.47	ug		98
74) 4-Chlorotoluene	11.180	91	489902	51.75	ug		95
75) 1,3,5-Trimethylbenzene	11.185	105	559392	51.28	ug		97
76) tert-Butylbenzene	11.447	119	430413	50.31	ug		98
77) 1,2,4-Trimethylbenzene	11.185	105	559392	51.28	ug		98
79) 1,1,2,2-Tetrachloroethane	10.923	83	155651	51.43	ug		92
80) n-Propylbenzene	11.028	91	684647	50.45	ug		98
81) 1,3-Dichlorobenzene	11.694	146	221184	50.69	ug	#	78
82) sec-Butylbenzene	11.620	105	575722	49.61	ug		96
83) 4-Isopropyltoluene	11.741	119	428292	47.96	ug	#	89
84) 1,4-Dichlorobenzene	11.767	146	198896	48.57	ug	#	68
85) 1,2-Dichlorobenzene	12.045	146	161046	41.32	ug	#	73
86) n-Butylbenzene	12.050	91	283739	42.66	ug	#	84
87) 1,2-Dibromo-3-Chloropr	12.611	157	11822m	41.35	ug		
88) 1,2,4-Trichlorobenzene	13.188	180	36042m	37.66	ug		
89) Hexachlorobutadiene	13.298	225	21648	38.30	ug	#	84
90) Naphthalene	13.345	128	40130	25.57	ug	#	93
91) 1,2,3-Trichlorobenzene	13.508	180	20997m	32.20	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7655.D
Acq On : 7 Sep 2018 13:36
Operator :
Sample : vstd050
Misc : ical 93 base voa
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 15:13:35 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7656.D
Acq On : 7 Sep 2018 14:00
Operator :
Sample : vstd100
Misc : ical 93 base voa
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 15:05:22 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:19:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.895	114	363291	50.00	ug		-0.02
34) Chlorobenzene-d5	9.591	117	312510	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.741	152	135418	50.00	ug		-0.01
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.324	65	152624	50.41	ug		-0.03
56) Toluene-d8	7.746	98	446585	50.94	ug		-0.02
78) Bromofluorobenzene	10.782	95	174166	44.47	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.222	85	108925m	82.78	ug		
3) Chloromethane	1.358	50	216612m	85.13	ug		
4) Vinyl Chloride	1.436	62	182161m	89.76	ug		
5) Bromomethane	1.669	94	122943m	75.20	ug		
6) Chloroethane	1.757	64	120860	86.43	ug		95
7) Acrolein	2.319	56	136416m	399.79	ug		
8) Trichlorofluoromethane	1.970	101	302738	83.63	ug		97
9) Freon113	2.424	101	149802	79.12	ug		91
10) 1,1-Dichloroethene	2.414	96	158834	83.08	ug	#	72
11) Allyl Chloride	2.760	41	428636m	117.97	ug		
12) Carbon Disulfide	2.608	76	444056	85.38	ug		100
13) Acetone	2.466	43	118342m	90.46	ug		
14) Iodomethane	2.545	142	92168	108.85	ug		88
15) Acetonitrile	2.728	40	136314m	1314.48	ug		
16) Methyl Acetate	2.802	43	171462	110.44	ug		92
17) Methylene Chloride	2.886	84	191136	80.80	ug	#	51
18) Acrylonitrile	3.158	53	276751m	506.27	ug		
19) trans-1,2-Dichloroethene	3.200	96	186242	93.86	ug	#	87
20) Mtbe	3.221	73	864644	189.10	ug		98
21) 1,1-Dichloroethane	3.672	63	361244	94.20	ug		92
22) Hexane	3.536	43	69246	74.17	ug		88
23) cis-1,2-Dichloroethene	4.354	61	337813	96.71	ug		89
24) 2,2-Dichloropropane	4.348	77	198236	91.62	ug	#	63
25) Propionitrile	4.443	54	249544m	1337.39	ug		
26) Bromochloromethane	4.631	128	101350	98.93	ug	#	37
27) Methacrylonitrile	4.631	67	775275	1035.32	ug	#	81
28) Chloroform	4.742	83	394244	90.55	ug		97
29) Cyclohexane	5.019	84	282502	87.05	ug	#	76
30) 1,1-Dichloro-1-propene	5.150	75	268542	90.25	ug		82
31) 1,2-Dichloroethane	5.413	62	372220	96.44	ug		99
32) 2-Butanone	4.395	43	100893m	96.54	ug		
35) 1,1,1-Trichloroethane	4.951	97	348573	94.50	ug		98
36) Carbon Tetrachloride	5.150	117	243713	89.46	ug		95
37) Benzene	5.397	78	822727	96.15	ug		100
38) Isobutanol	5.376	43	164507m	2679.64	ug		
39) Heptane	5.790	43	210568	100.00	ug	#	76
40) Trichloroethene	6.199	130	206881	93.12	ug		95
41) Methyl Cyclohexane	6.440	83	305204	96.48	ug	#	84
42) 1,2-Dichloropropane	6.466	63	214424	104.15	ug		88
43) Vinyl Acetate	3.761	43	267933	133.43	ug	#	100
44) Dibromomethane	6.603	174	106307	120.92	ug	#	47
45) 1,4-Dioxane	6.660	88	45046m	3299.55	ug		
46) Methyl Methacrylate	6.681	69	132190	125.01	ug	#	64
47) Bromodichloromethane	6.823	83	304198	104.71	ug		88
48) cis-1,3-Dichloropropene	7.405	75	285158	105.16	ug		98
49) trans-1,3-Dichloropropene	8.139	75	232487	102.62	ug		100
50) 1,1,2-Trichloroethane	8.364	97	184808	91.23	ug		88
51) 1,3-Dichloropropane	8.574	76	312239	96.66	ug	#	68

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7656.D
Acq On : 7 Sep 2018 14:00
Operator :
Sample : vstd100
Misc : ical 93 base voa
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 15:05:22 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:19:37 2018
Response via : Initial Calibration

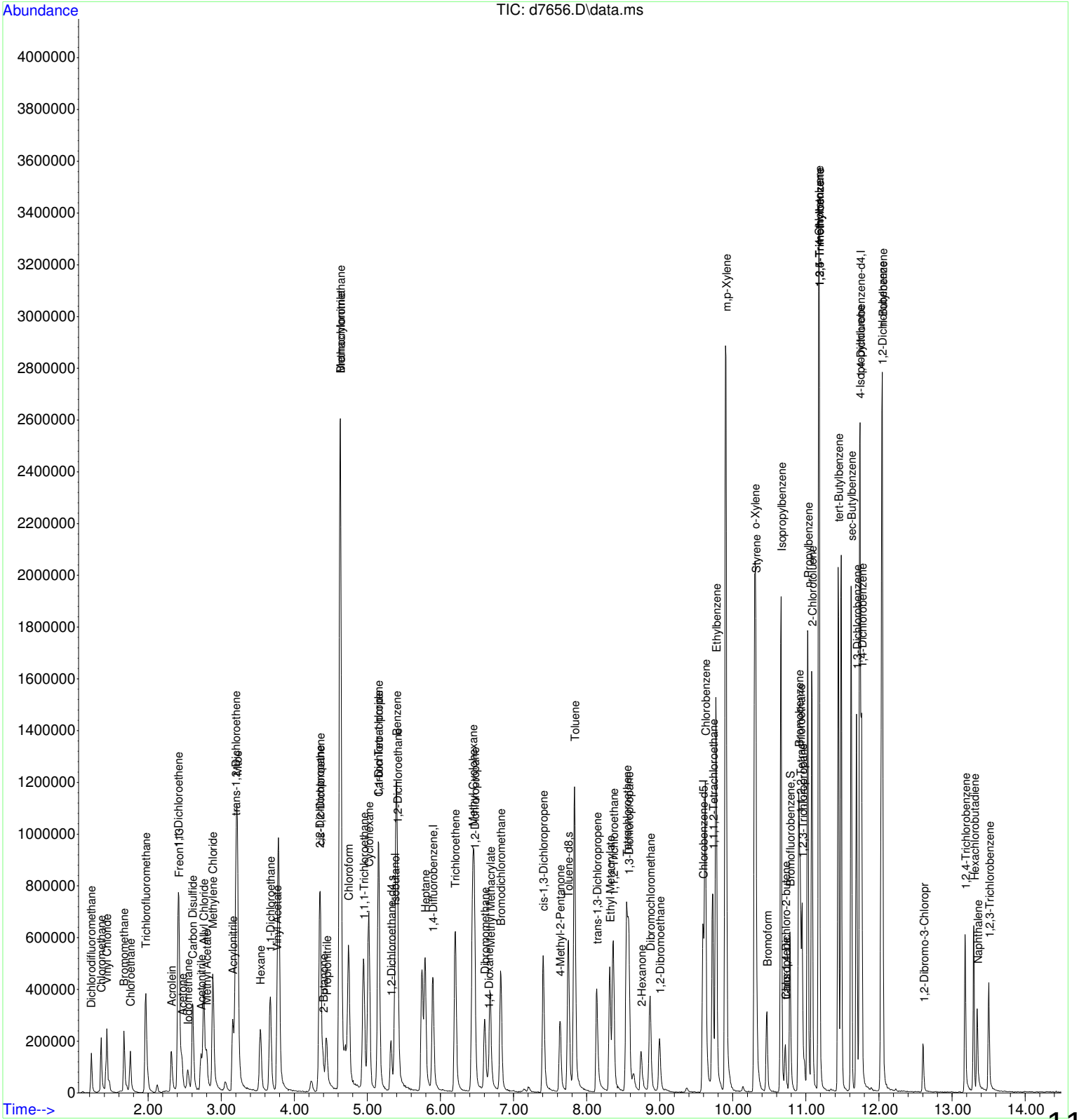
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	8.999	107	155082	90.49	ug		98
53) Dibromochloromethane	8.868	129	209042	96.57	ug		95
54) Bromoform	10.467	173	104956	104.13	ug		99
55) 4-Methyl-2-Pentanone	7.636	43	208735	118.81	ug		91
57) Toluene	7.835	92	517482	92.83	ug		93
58) Ethyl Metacrylate	8.317	69	234322	110.91	ug		95
59) Tetrachloroethene	8.548	164	148673	92.03	ug		91
60) 2-Hexanone	8.747	43	139933	119.16	ug		86
62) Chlorobenzene	9.623	112	568342	77.53	ug		100
63) 1,1,1,2-Tetrachloroethane	9.728	133	176888	75.19	ug		97
64) Ethylbenzene	9.770	106	312347	79.38	ug		99
65) m,p-Xylene	9.906	91	1680542	160.03	ug		89
66) o-Xylene	10.299	106	360909	71.49	ug	#	81
67) Styrene	10.315	104	574721	85.35	ug		73
68) Isopropylbenzene	10.661	105	987822	79.77	ug		96
69) Chloroprene	10.719	53	36922	115.78	ug	#	81
70) trans-1,4-Dichloro-2-b...	10.719	88	39376	124.37	ug	#	49
71) Bromobenzene	10.902	77	398722	86.35	ug	#	70
72) 1,2,3-Trichloropropane	10.949	75	214266m	82.42	ug		
73) 2-Chlorotoluene	11.080	91	722534	80.07	ug		97
74) 4-Chlorotoluene	11.175	91	796672	86.26	ug		94
75) 1,3,5-Trimethylbenzene	11.180	105	872060	79.98	ug		95
76) tert-Butylbenzene	11.442	119	677581	79.09	ug		98
77) 1,2,4-Trimethylbenzene	11.180	105	872060	79.98	ug		97
79) 1,1,2,2-Tetrachloroethane	10.923	83	244869	81.83	ug		95
80) n-Propylbenzene	11.028	91	1110088	82.98	ug		96
81) 1,3-Dichlorobenzene	11.694	146	378117	90.16	ug	#	79
82) sec-Butylbenzene	11.620	105	939649	81.51	ug		97
83) 4-Isopropyltoluene	11.736	119	753574	86.49	ug	#	89
84) 1,4-Dichlorobenzene	11.762	146	345784	87.74	ug	#	71
85) 1,2-Dichlorobenzene	12.040	146	362272	98.00	ug	#	85
86) n-Butylbenzene	12.045	91	654678	107.23	ug	#	87
87) 1,2-Dibromo-3-Chloropr	12.606	157	29713m	122.28	ug		
88) 1,2,4-Trichlorobenzene	13.178	180	115065m	164.61	ug		
89) Hexachlorobutadiene	13.298	225	55855	101.04	ug	#	88
90) Naphthalene	13.345	128	210532m	179.92	ug		
91) 1,2,3-Trichlorobenzene	13.503	180	80641m	155.60	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7656.D
Acq On : 7 Sep 2018 14:00
Operator :
Sample : vstd100
Misc : ical 93 base voa
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 15:05:22 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:19:37 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7657.D
Acq On : 7 Sep 2018 14:21
Operator :
Sample : vstd200
Misc : ical 93 base voa
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 14:58:58 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:20:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	577324	50.00	ug		0.03
34) Chlorobenzene-d5	9.597	117	529418	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.746	152	221929	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.355	65	254972	52.90	ug		0.03
56) Toluene-d8	7.762	98	736316	49.39	ug		0.02
78) Bromofluorobenzene	10.787	95	300940	47.94	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.280	85	337777m	167.29	ug		
3) Chloromethane	1.406	50	694696m	177.08	ug		
4) Vinyl Chloride	1.494	62	574196m	181.76	ug		
5) Bromomethane	1.718	94	246567m	99.93	ug		
6) Chloroethane	1.795	64	373664m	172.84	ug		
7) Acrolein	2.372	56	435668m	814.43	ug		
8) Trichlorofluoromethane	2.009	101	1029154	184.96	ug		100
9) Freon113	2.471	101	489731	169.86	ug		93
10) 1,1-Dichloroethene	2.466	96	558309	190.21	ug	#	77
11) Allyl Chloride	2.812	41	1383252	252.05	ug		77
12) Carbon Disulfide	2.660	76	1477846	184.20	ug		100
13) Acetone	2.519	43	406101m	200.72	ug		
14) Iodomethane	2.597	142	319169	233.07	ug	#	85
15) Acetonitrile	2.791	40	482322m	3004.22	ug		
16) Methyl Acetate	2.849	43	598431	237.59	ug		91
17) Methylene Chloride	2.938	84	653562	180.79	ug	#	55
18) Acrylonitrile	3.216	53	964717m	1091.28	ug		
19) trans-1,2-Dichloroethene	3.247	96	594583	190.90	ug	#	84
20) Mtbe	3.268	73	2995437	416.79	ug		99
21) 1,1-Dichloroethane	3.719	63	1193285	198.10	ug		89
22) Hexane	3.583	43	242511	172.36	ug		94
23) cis-1,2-Dichloroethene	4.390	61	1116649	202.49	ug		87
24) 2,2-Dichloropropane	4.380	77	660571	195.40	ug	#	66
25) Propionitrile	4.485	54	818688	2641.63	ug		94
26) Bromochloromethane	4.673	128	299402	184.30	ug	#	27
27) Methacrylonitrile	4.679	67	2506116	2091.21	ug	#	84
28) Chloroform	4.778	83	1316370	193.92	ug		96
29) Cyclohexane	5.051	84	899394	179.02	ug	#	76
30) 1,1-Dichloro-1-propene	5.187	75	877001	189.16	ug		84
31) 1,2-Dichloroethane	5.444	62	1213646	199.30	ug		98
32) 2-Butanone	4.427	43	364872m	224.60	ug		
35) 1,1,1-Trichloroethane	4.983	97	1128620	182.62	ug		99
36) Carbon Tetrachloride	5.182	117	780641	172.78	ug		97
37) Benzene	5.423	78	2596304	180.50	ug		100
38) Isobutanol	5.413	43	570272m	5197.43	ug		
39) Heptane	5.816	43	627782	175.98	ug	#	79
40) Trichloroethene	6.225	130	680746	183.40	ug		96
41) Methyl Cyclohexane	6.461	83	935939	175.89	ug	#	84
42) 1,2-Dichloropropane	6.482	63	686773	195.29	ug		86
43) Vinyl Acetate	3.808	43	954414	262.98	ug	#	100
44) Dibromomethane	6.629	174	338520	218.16	ug	#	36
45) 1,4-Dioxane	6.681	88	148438m	5871.88	ug		
46) Methyl Methacrylate	6.697	69	460071	244.59	ug	#	65
47) Bromodichloromethane	6.844	83	1018875	205.09	ug		88
48) cis-1,3-Dichloropropene	7.421	75	819015	176.47	ug		98
49) trans-1,3-Dichloropropene	8.150	75	839900	217.69	ug		96
50) 1,1,2-Trichloroethane	8.375	97	635248	188.41	ug		93
51) 1,3-Dichloropropane	8.590	76	1046503	192.53	ug	#	69

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7657.D
Acq On : 7 Sep 2018 14:21
Operator :
Sample : vstd200
Misc : ical 93 base voa
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 14:58:58 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:20:24 2018
Response via : Initial Calibration

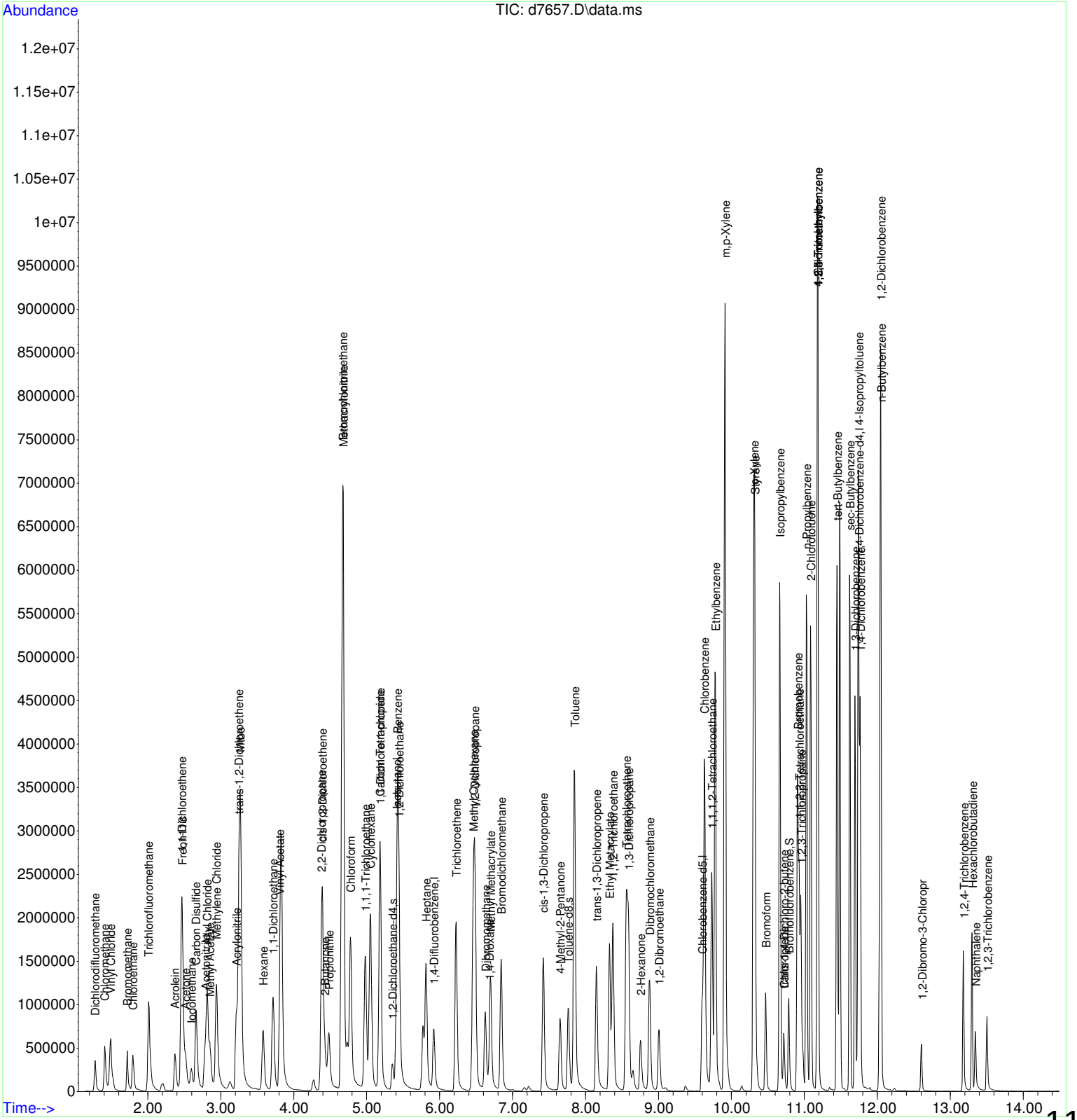
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	9.004	107	536889	188.51	ug		96
53) Dibromochloromethane	8.878	129	738400	202.74	ug		96
54) Bromoform	10.467	173	375948	218.37	ug		99
55) 4-Methyl-2-Pentanone	7.651	43	654500	211.94	ug		92
57) Toluene	7.851	92	1732415	186.11	ug		93
58) Ethyl Metacrylate	8.328	69	838098	229.17	ug	#	93
59) Tetrachloroethene	8.558	164	480915	178.57	ug		94
60) 2-Hexanone	8.752	43	509698	246.76	ug		88
62) Chlorobenzene	9.628	112	1903783	165.92	ug		99
63) 1,1,1,2-Tetrachloroethane	9.733	133	599785	163.69	ug		97
64) Ethylbenzene	9.780	106	1038679	168.00	ug		98
65) m,p-Xylene	9.911	91	5325420	322.32	ug		89
66) o-Xylene	10.304	106	1220183	156.39	ug	#	80
67) Styrene	10.320	104	1945337	181.61	ug		72
68) Isopropylbenzene	10.661	105	3133958	160.93	ug		96
69) Chloroprene	10.719	53	134745	249.93	ug		84
70) trans-1,4-Dichloro-2-b...	10.719	88	140081	257.42	ug	#	53
71) Bromobenzene	10.907	77	1256255	170.68	ug	#	72
72) 1,2,3-Trichloropropane	10.955	75	720449	175.89	ug		86
73) 2-Chlorotoluene	11.086	91	2337350	164.60	ug		96
74) 4-Chlorotoluene	11.180	91	2511600	170.63	ug		94
75) 1,3,5-Trimethylbenzene	11.185	105	2704933	157.69	ug		95
76) tert-Butylbenzene	11.447	119	2120739	157.64	ug		98
77) 1,2,4-Trimethylbenzene	11.185	105	2704933	157.69	ug		97
79) 1,1,2,2-Tetrachloroethane	10.928	83	783291	165.75	ug		94
80) n-Propylbenzene	11.028	91	3526226	166.50	ug		97
81) 1,3-Dichlorobenzene	11.694	146	1204654	178.79	ug	#	80
82) sec-Butylbenzene	11.620	105	2928698	160.98	ug		97
83) 4-Isopropyltoluene	11.741	119	2362743	170.06	ug	#	89
84) 1,4-Dichlorobenzene	11.762	146	1154164	183.19	ug	#	76
85) 1,2-Dichlorobenzene	12.045	146	1060069	175.69	ug	#	87
86) n-Butylbenzene	12.050	91	1955460	192.64	ug	#	88
87) 1,2-Dibromo-3-Chloropr	12.606	157	92768	223.01	ug	#	57
88) 1,2,4-Trichlorobenzene	13.183	180	298163	229.27	ug	#	85
89) Hexachlorobutadiene	13.298	225	173752	191.39	ug	#	88
90) Naphthalene	13.345	128	480250	211.53	ug		97
91) 1,2,3-Trichlorobenzene	13.503	180	171858m	180.39	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7657.D
Acq On : 7 Sep 2018 14:21
Operator :
Sample : vstd200
Misc : ical 93 base voa
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 14:58:58 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 14:20:24 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7664.D
Acq On : 7 Sep 2018 16:50
Operator :
Sample : vblk
Misc : mblk e8260w
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:23:53 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

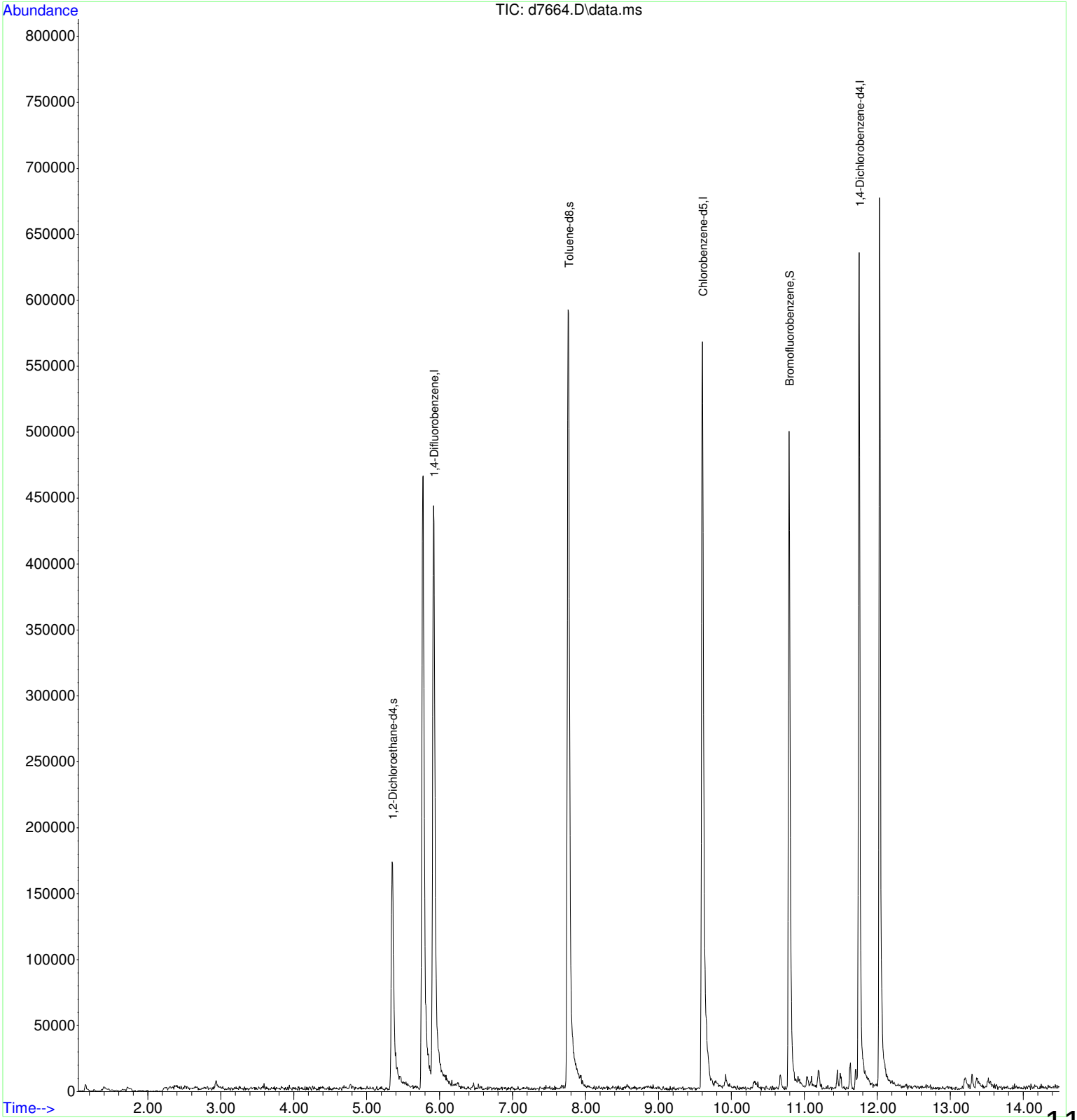
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	404448	50.00	ug	0.03
34) Chlorobenzene-d5	9.602	117	353274	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	121634	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.355	65	149217	43.77	ug	0.03
56) Toluene-d8	7.767	98	488428	49.20	ug	0.02
78) Bromofluorobenzene	10.792	95	176286	51.60	ug	0.01
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7664.D
Acq On : 7 Sep 2018 16:50
Operator :
Sample : vblk
Misc : mblk e8260w
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:23:53 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7665.D
Acq On : 7 Sep 2018 17:12
Operator :
Sample : 180829015-018a
Misc : samp e8260w
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:24:04 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	446783	50.00	ug	0.03
34) Chlorobenzene-d5	9.602	117	365210	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	118391	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.350	65	164704	43.74	ug	0.03
56) Toluene-d8	7.767	98	421698	41.09	ug	0.02
78) Bromofluorobenzene	10.792	95	176911	53.20	ug	0.01

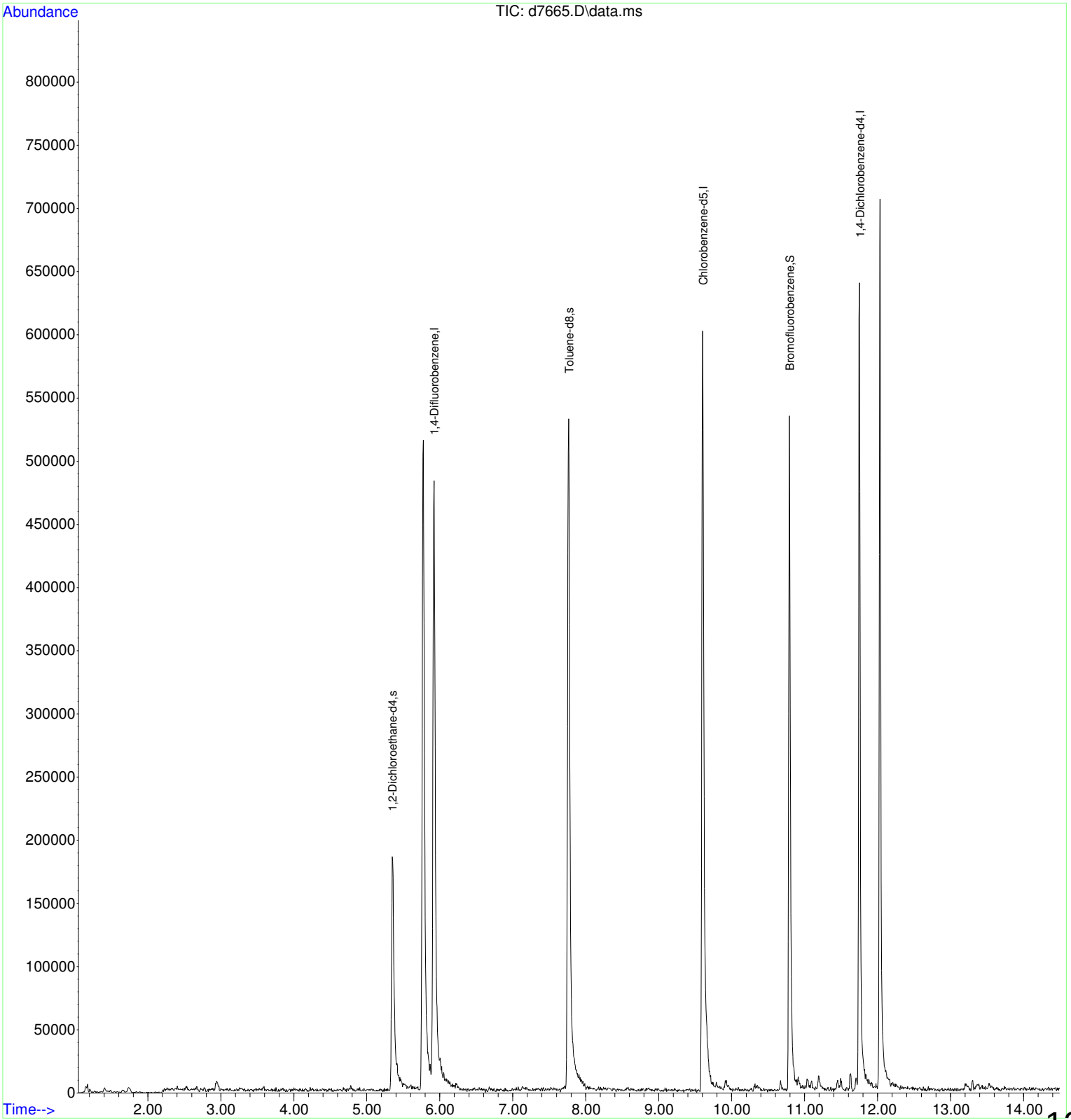
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7665.D
Acq On : 7 Sep 2018 17:12
Operator :
Sample : 180829015-018a
Misc : samp e8260w
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:24:04 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7666.D
Acq On : 7 Sep 2018 17:33
Operator :
Sample : 180829015-007a
Misc : samp e8260w
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 09:24:19 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	441073	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	364340	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	121747	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.344	65	165967	44.64	ug	0.02
56) Toluene-d8	7.761	98	524673	51.24	ug	0.02
78) Bromofluorobenzene	10.792	95	151732	44.37	ug	0.01

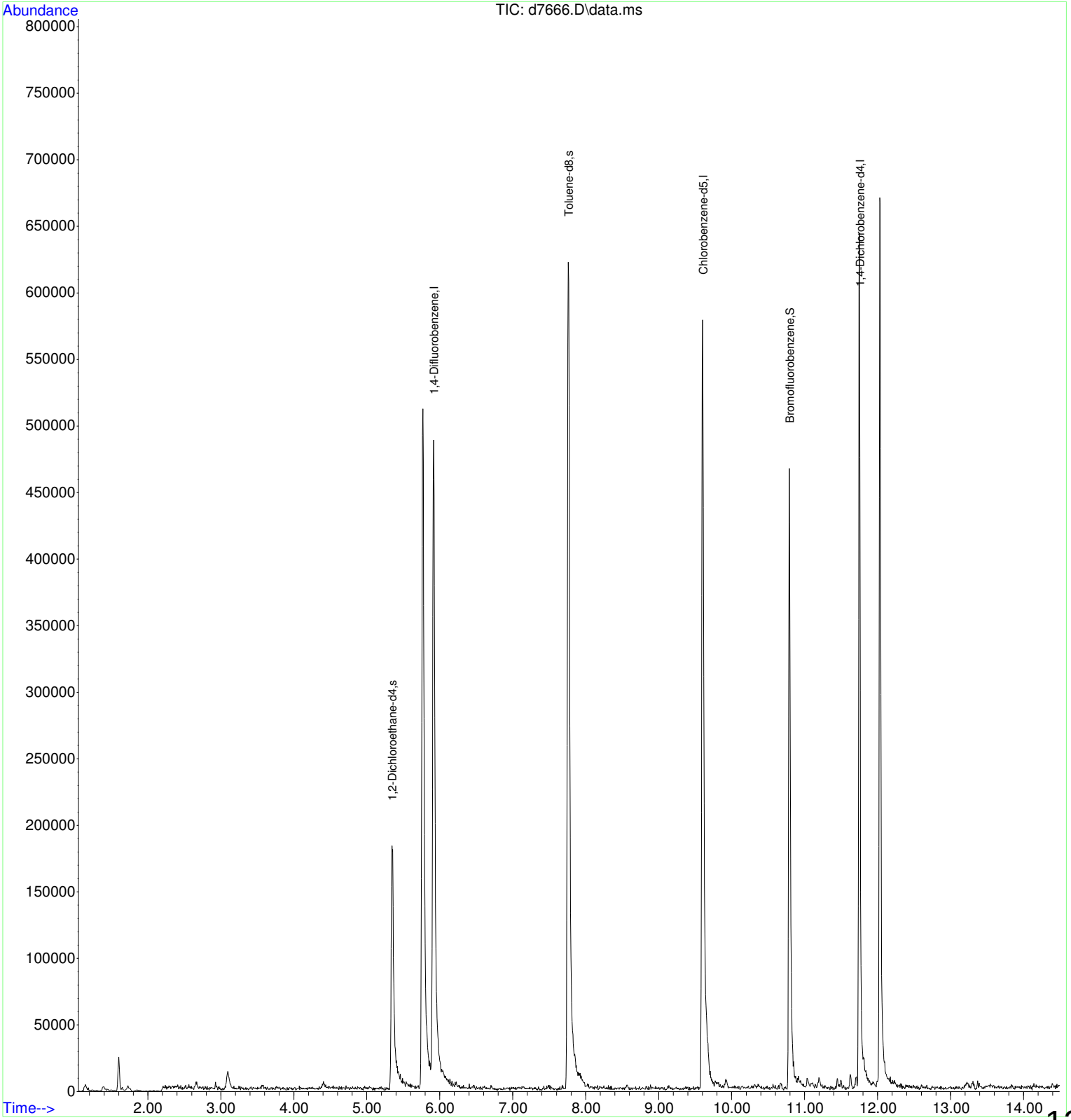
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7666.D
Acq On : 7 Sep 2018 17:33
Operator :
Sample : 180829015-007a
Misc : samp e8260w
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 09:24:19 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7667.D
Acq On : 7 Sep 2018 17:54
Operator :
Sample : 180829015-006a
Misc : samp e8260w
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 09:25:12 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

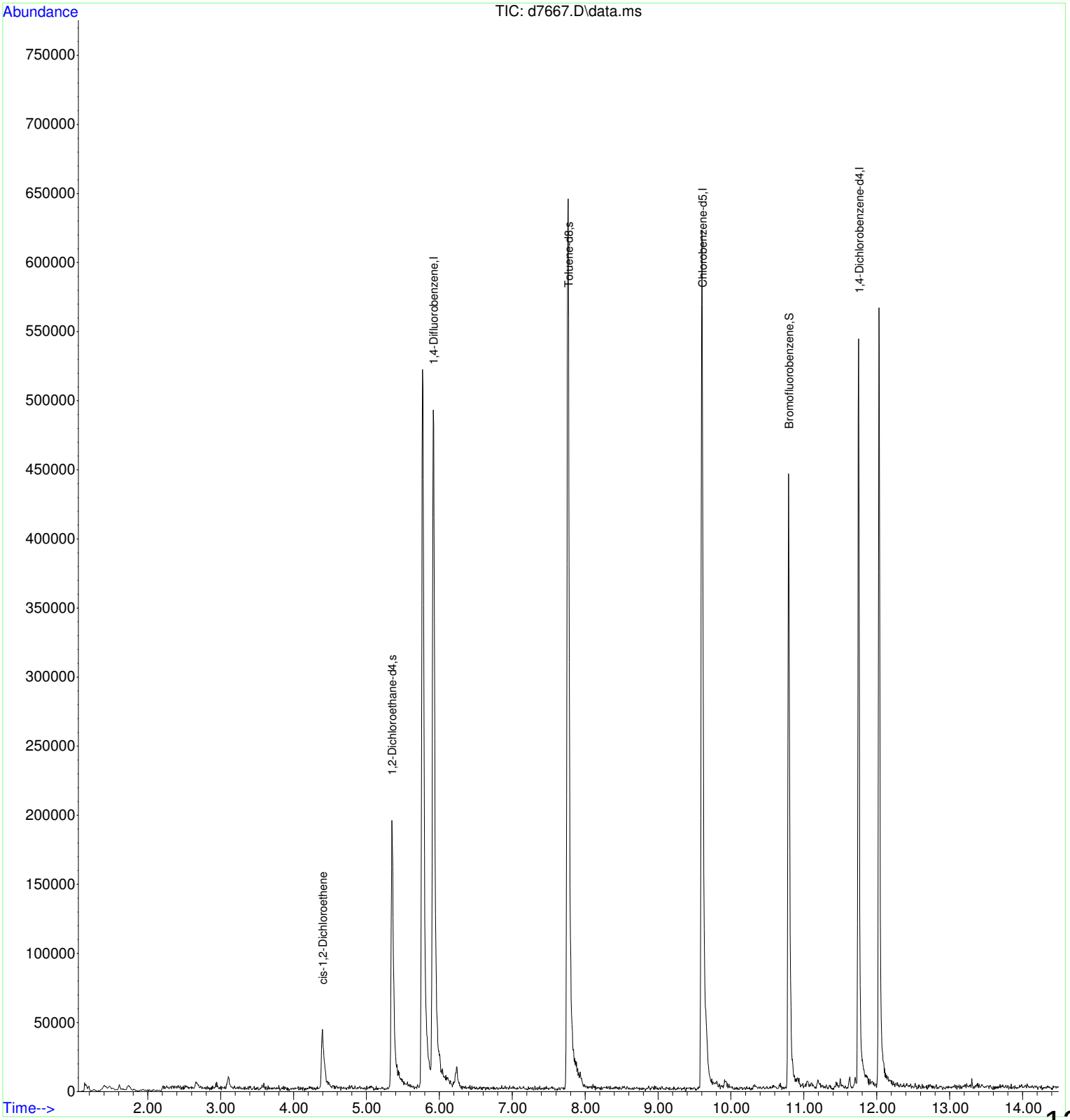
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	450322	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	368032	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	90634	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.350	65	174858	46.07	ug	0.03
56) Toluene-d8	7.767	98	530926	51.33	ug	0.02
78) Bromofluorobenzene	10.792	95	138741	54.50	ug	0.01
Target Compounds						Qvalue
23) cis-1,2-Dichloroethene	4.395	61	29685	6.89	ug	92
91) 1,2,3-Trichlorobenzene	13.524	180	652	Below Cal	#	87

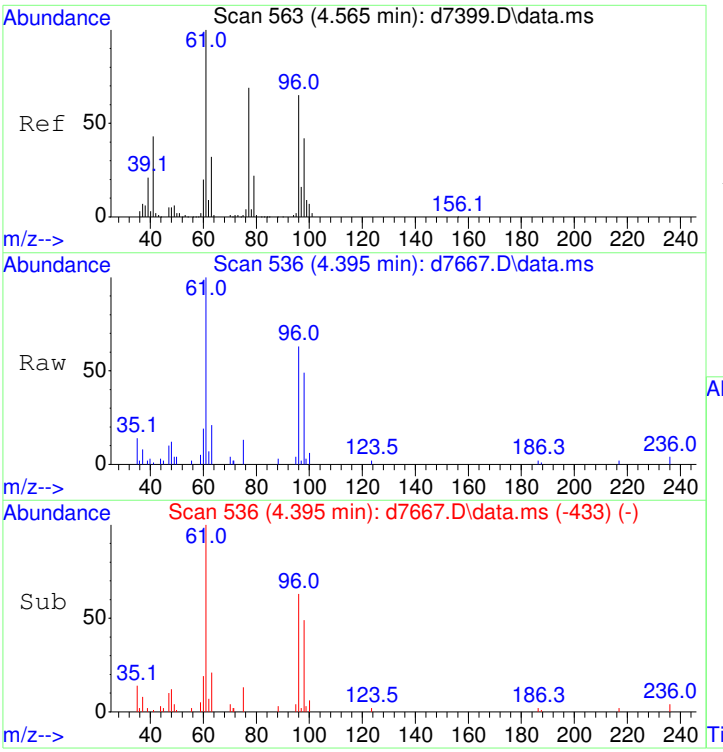
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7667.D
Acq On : 7 Sep 2018 17:54
Operator :
Sample : 180829015-006a
Misc : samp e8260w
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 09:25:12 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

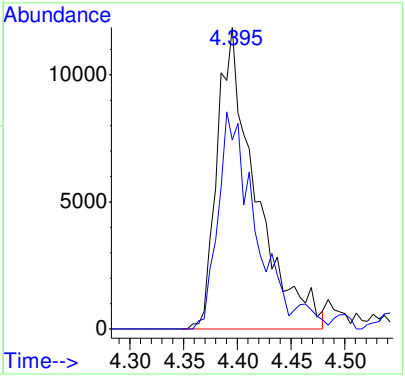




#23
cis-1,2-Dichloroethene
Concen: 6.89 ug
RT: 4.395 min Scan# 536
Delta R.T. 0.042 min
Lab File: d7667.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 61 Resp: 29685

Ion	Ratio	Lower	Upper
61	100		
96	67.8	59.7	89.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7668.D
Acq On : 7 Sep 2018 18:16
Operator :
Sample : 180829015-009a
Misc : samp e8260w
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 09:26:06 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

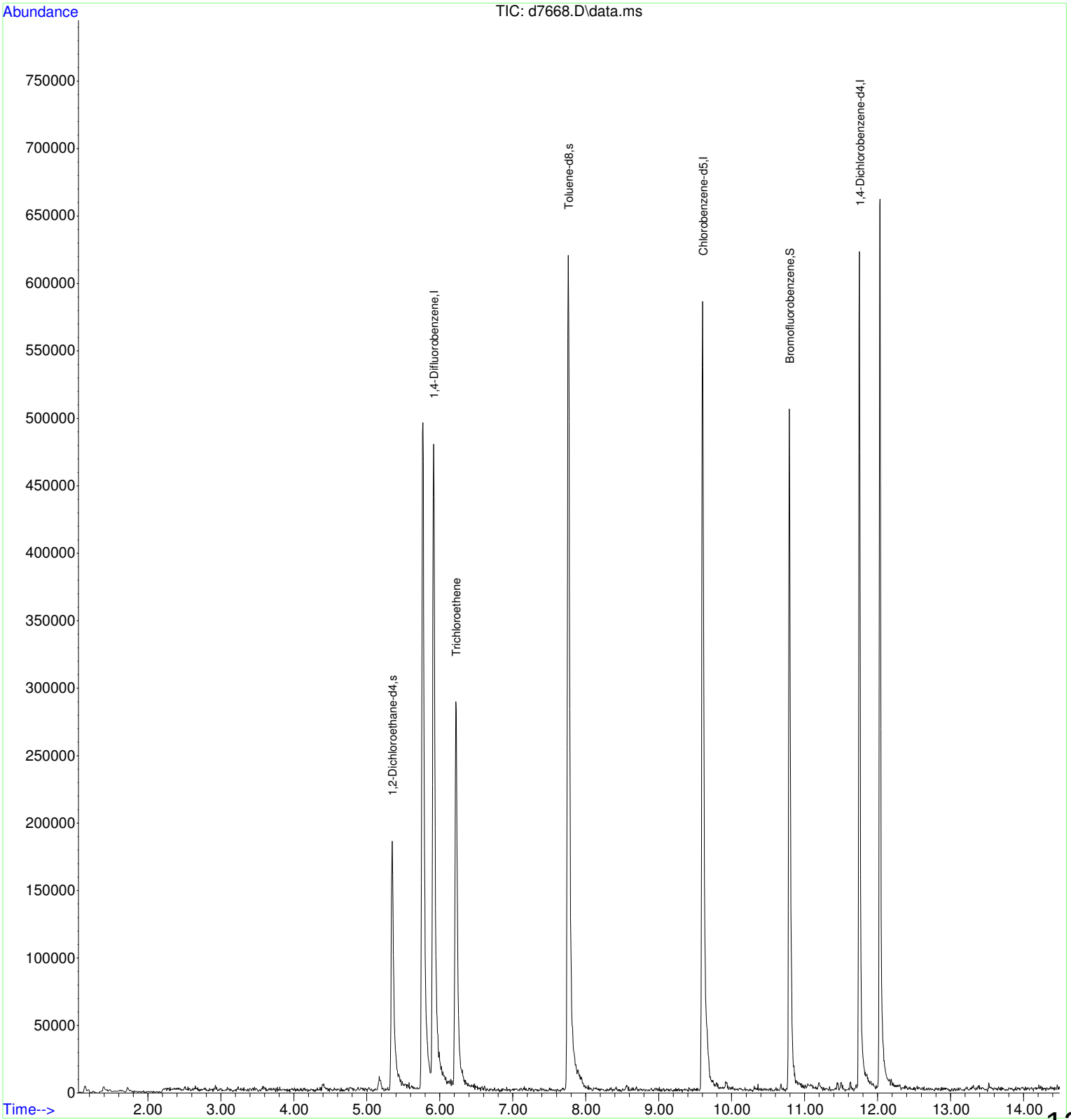
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	420570	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	345113	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	121441	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.350	65	168072	47.41	ug	0.03
56) Toluene-d8	7.761	98	530489	54.70	ug	0.02
78) Bromofluorobenzene	10.792	95	178895	52.44	ug	0.01
Target Compounds						Qvalue
40) Trichloroethene	6.220	130	101531	42.55	ug	94

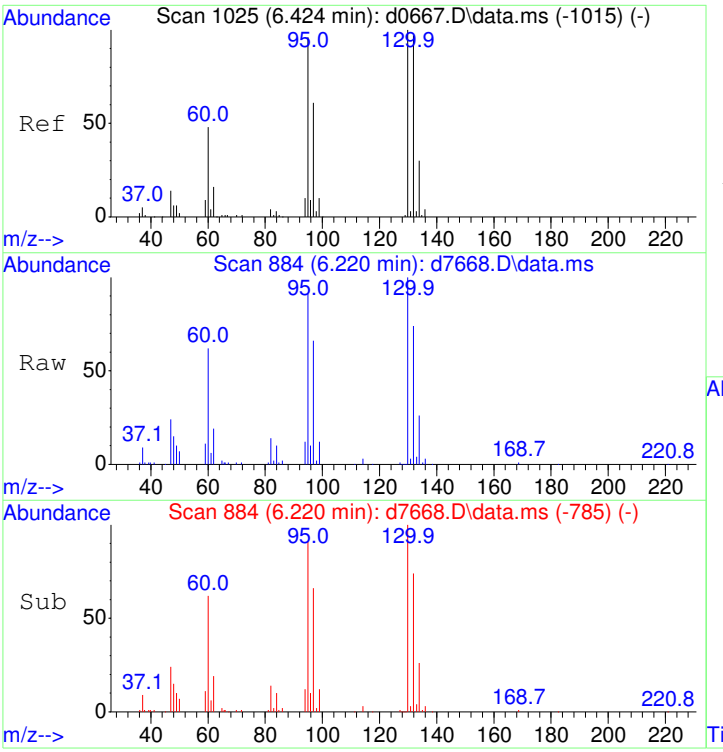
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7668.D
Acq On : 7 Sep 2018 18:16
Operator :
Sample : 180829015-009a
Misc : samp e8260w
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 09:26:06 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

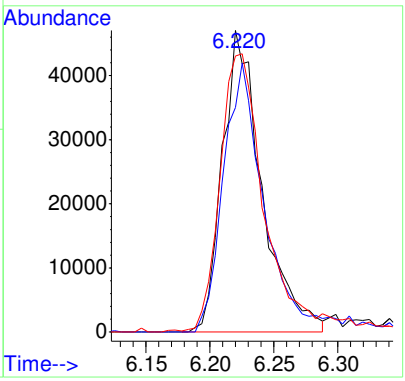




#40
Trichloroethene
Concen: 42.55 ug
RT: 6.220 min Scan# 884
Delta R.T. 0.021 min
Lab File: d7668.D
Acq: 7 Sep 2018 18:16

Tgt Ion:130 Resp: 101531

Ion	Ratio	Lower	Upper
130	100		
132	92.5	72.9	112.9
95	105.0	74.0	114.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7669.D
Acq On : 7 Sep 2018 18:37
Operator :
Sample : 180829015-010a
Misc : samp e8260w
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 09:47:37 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

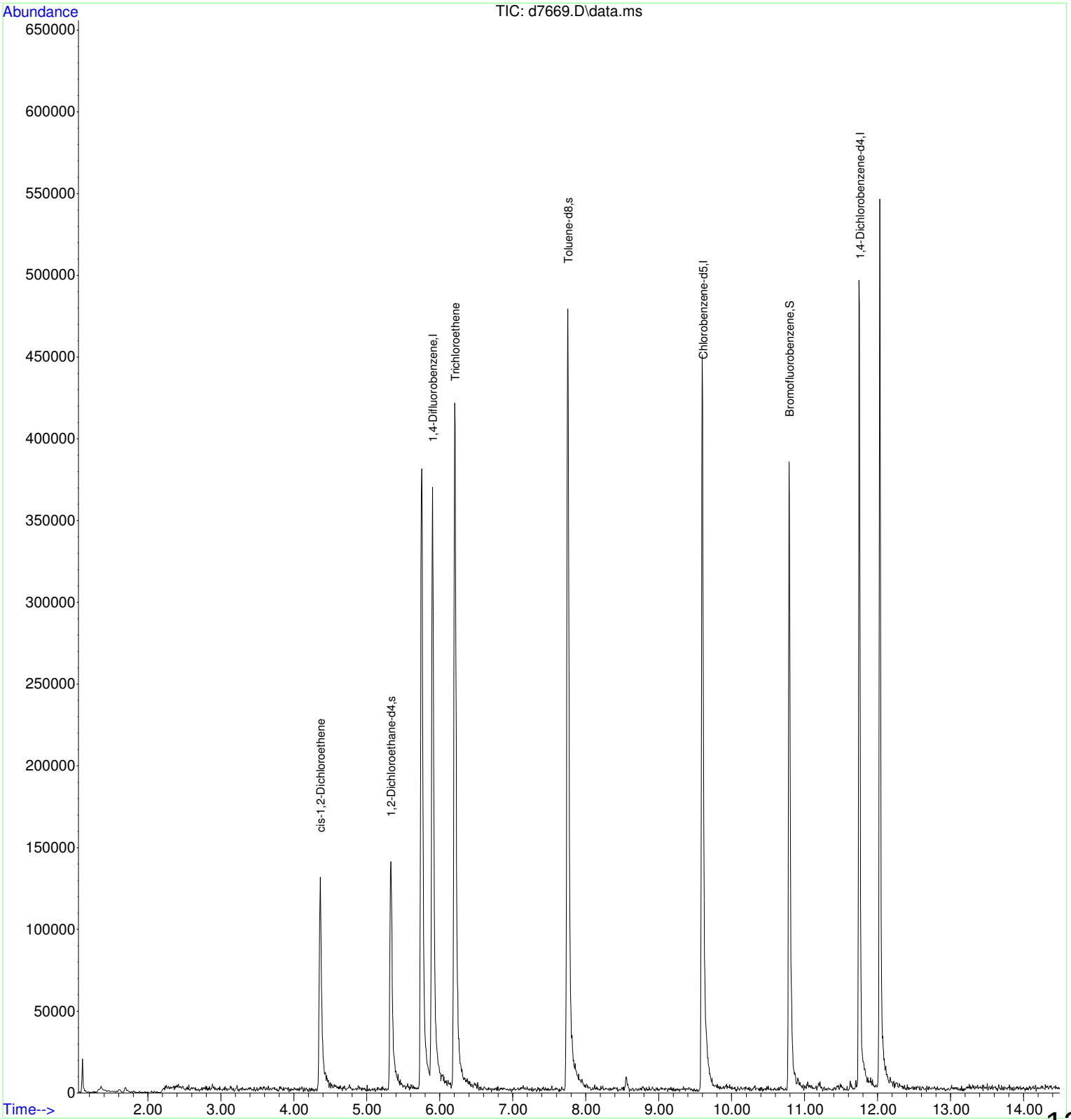
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.900	114	318124	50.00	ug	0.00
34) Chlorobenzene-d5	9.602	117	261962	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	90598	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.329	65	123883	46.20	ug	0.00
56) Toluene-d8	7.756	98	384720	52.26	ug	0.01
78) Bromofluorobenzene	10.787	95	133752	52.56	ug	0.00
Target Compounds						Qvalue
23) cis-1,2-Dichloroethene	4.364	61	88039m	28.91	ug	
40) Trichloroethene	6.209	130	150659	83.18	ug	98

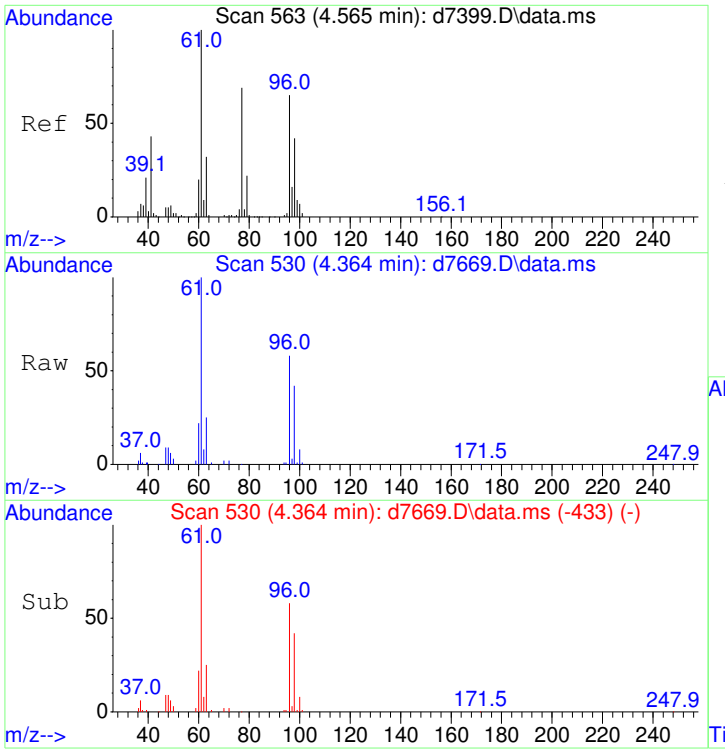
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7669.D
Acq On : 7 Sep 2018 18:37
Operator :
Sample : 180829015-010a
Misc : samp e8260w
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 09:47:37 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

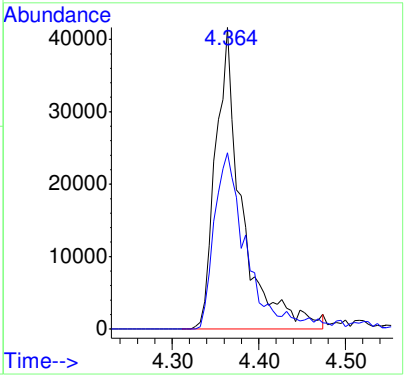


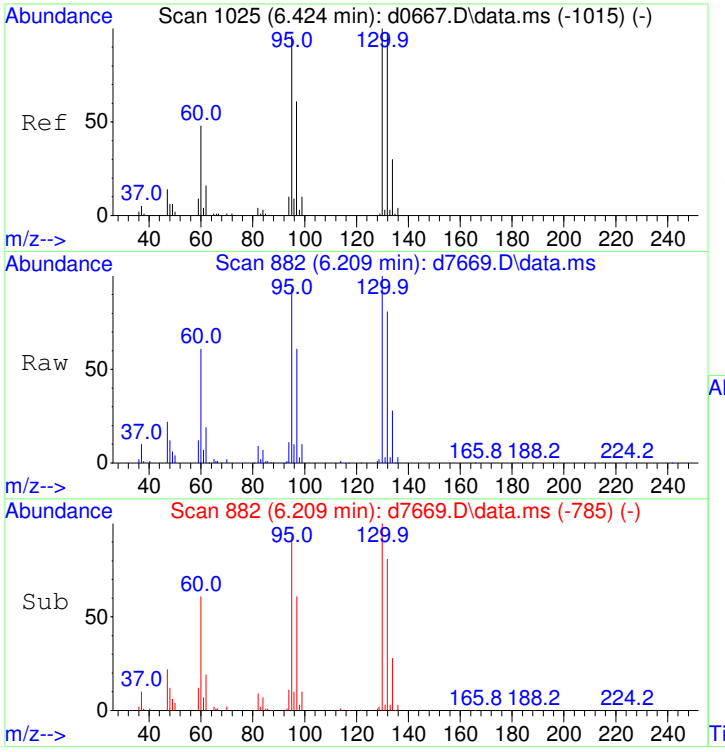


#23
cis-1,2-Dichloroethene
Concen: 28.91 ug m
RT: 4.364 min Scan# 530
Delta R.T. 0.010 min
Lab File: d7669.D
Acq: 7 Sep 2018 18:37

Tgt Ion: 61 Resp: 88039

Ion	Ratio	Lower	Upper
61	100		
96	66.7	59.7	89.5

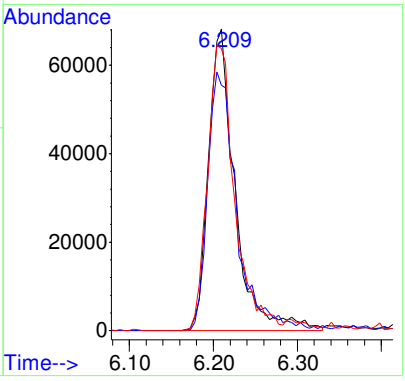




#40
Trichloroethene
Concen: 83.18 ug
RT: 6.209 min Scan# 882
Delta R.T. 0.010 min
Lab File: d7669.D
Acq: 7 Sep 2018 18:37

Tgt Ion:130 Resp: 150659

Ion	Ratio	Lower	Upper
130	100		
132	92.6	72.9	112.9
95	96.6	74.0	114.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7670.D
Acq On : 7 Sep 2018 18:58
Operator :
Sample : 180829015-002a
Misc : samp e8260w
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 09:28:29 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

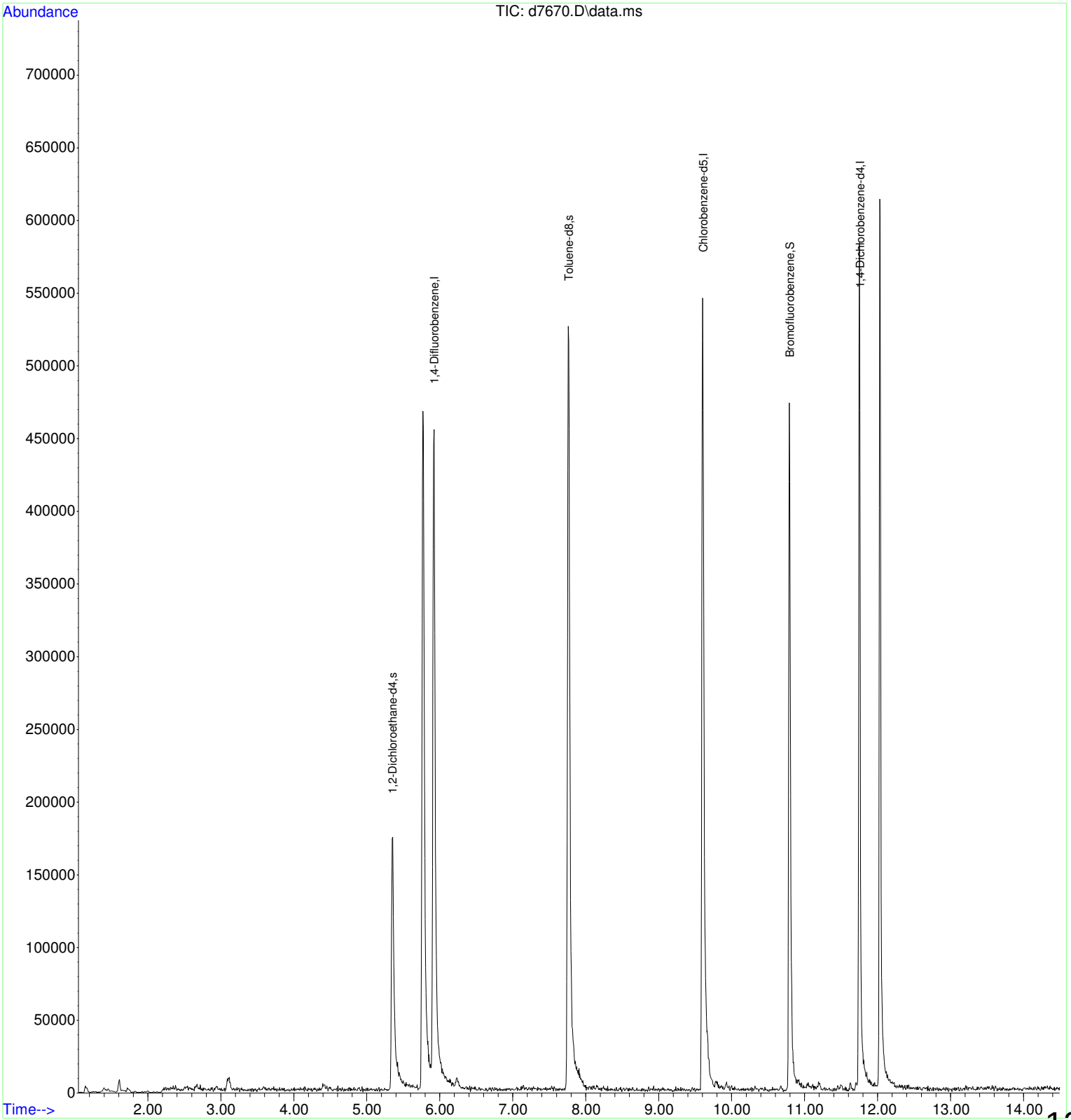
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	419760	50.00	ug	0.03
34) Chlorobenzene-d5	9.602	117	343641	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.752	152	105780	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.350	65	149233	42.18	ug	0.03
56) Toluene-d8	7.762	98	434672	45.01	ug	0.02
78) Bromofluorobenzene	10.792	95	167441	56.35	ug	0.01
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7670.D
Acq On : 7 Sep 2018 18:58
Operator :
Sample : 180829015-002a
Misc : samp e8260w
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 09:28:29 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7672.D
Acq On : 7 Sep 2018 19:41
Operator :
Sample : 180829015-004a
Misc : samp e8260w
ALS Vial : 13 Sample Multiplier: 1

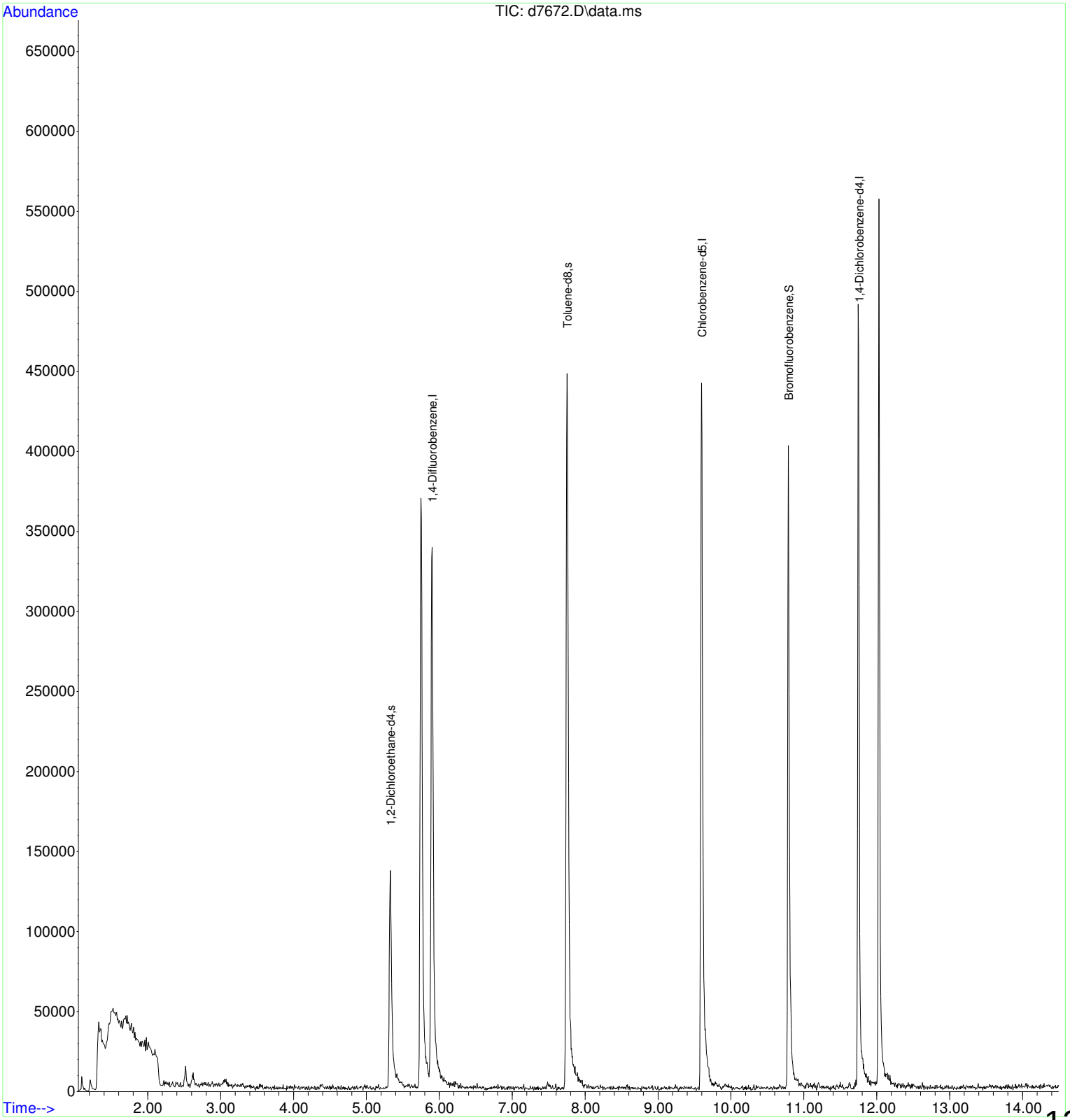
Quant Time: Sep 10 09:30:08 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

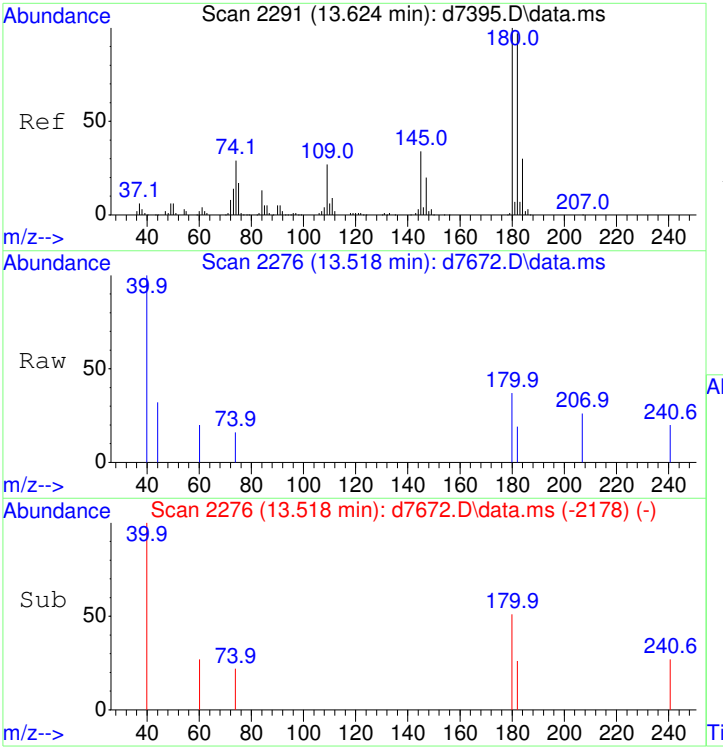
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.900	114	300625	50.00	ug	0.00
34) Chlorobenzene-d5	9.597	117	249849	50.00	ug	0.00
61) 1,4-Dichlorobenzene-d4	11.751	152	94751	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.329	65	117438	46.35	ug	0.00
56) Toluene-d8	7.751	98	364239	51.88	ug	0.00
78) Bromofluorobenzene	10.787	95	128386	48.24	ug	0.00
Target Compounds						Qvalue
91) 1,2,3-Trichlorobenzene	13.518	180	299	Below Cal		# 44

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7672.D
Acq On : 7 Sep 2018 19:41
Operator :
Sample : 180829015-004a
Misc : samp e8260w
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 09:30:08 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

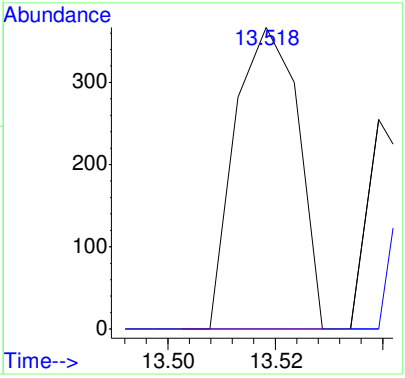




#91
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 13.518 min Scan# 2276
Delta R.T. 0.015 min
Lab File: d7672.D
Acq: 7 Sep 2018 19:41

Tgt Ion:180 Resp: 299

Ion	Ratio	Lower	Upper
180	100		
145	0.0	24.6	36.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7674.D
Acq On : 7 Sep 2018 20:24
Operator :
Sample : 180829015-008a
Misc : samp e8260w
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 10 09:37:12 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

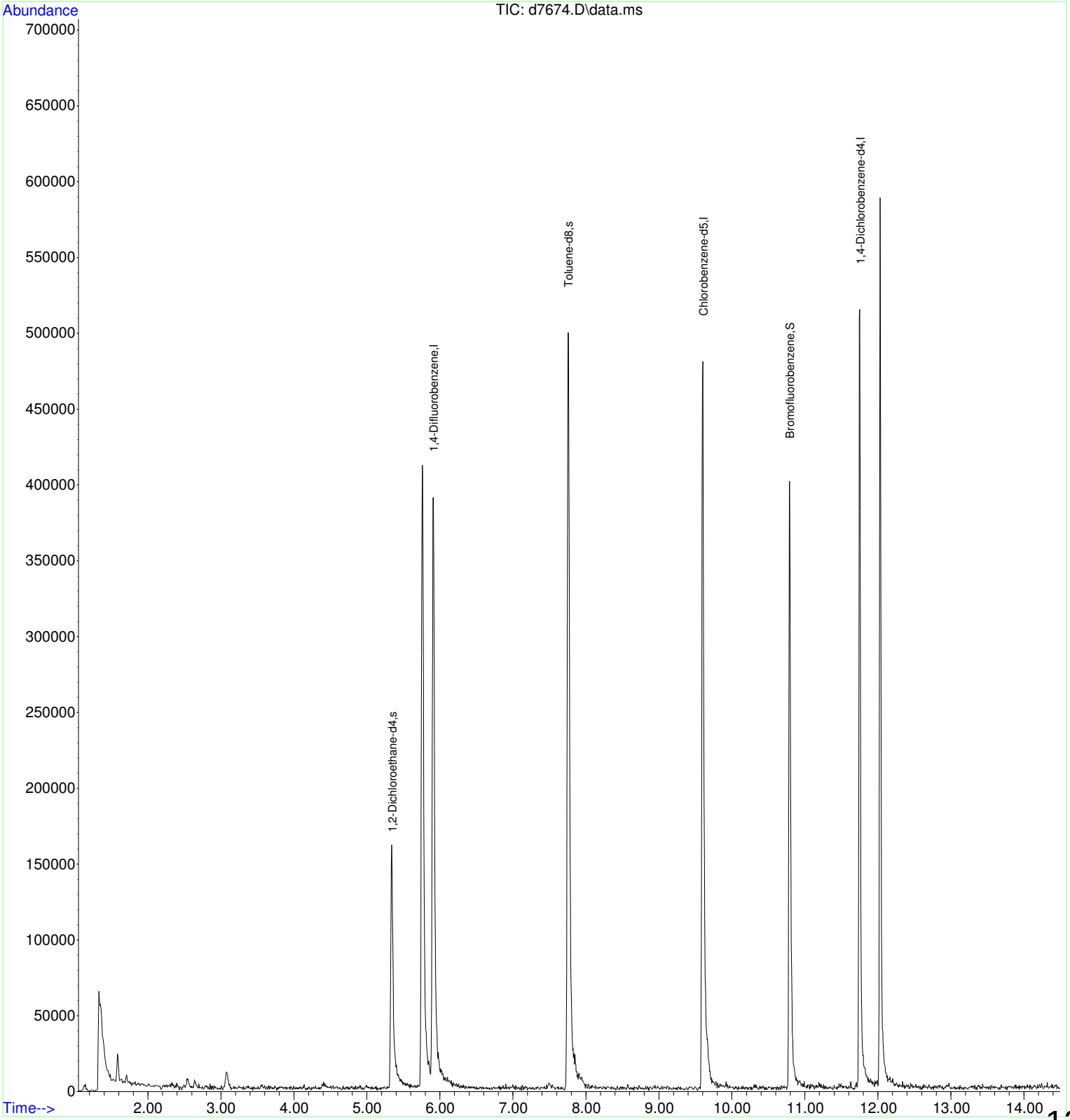
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.911	114	342878	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	285405	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	101776	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.344	65	140629	48.66	ug	0.02
56) Toluene-d8	7.756	98	425217	53.02	ug	0.01
78) Bromofluorobenzene	10.787	95	142466	49.83	ug	0.00
Target Compounds						Qvalue
91) 1,2,3-Trichlorobenzene	13.529	180	340	Below Cal		# 77

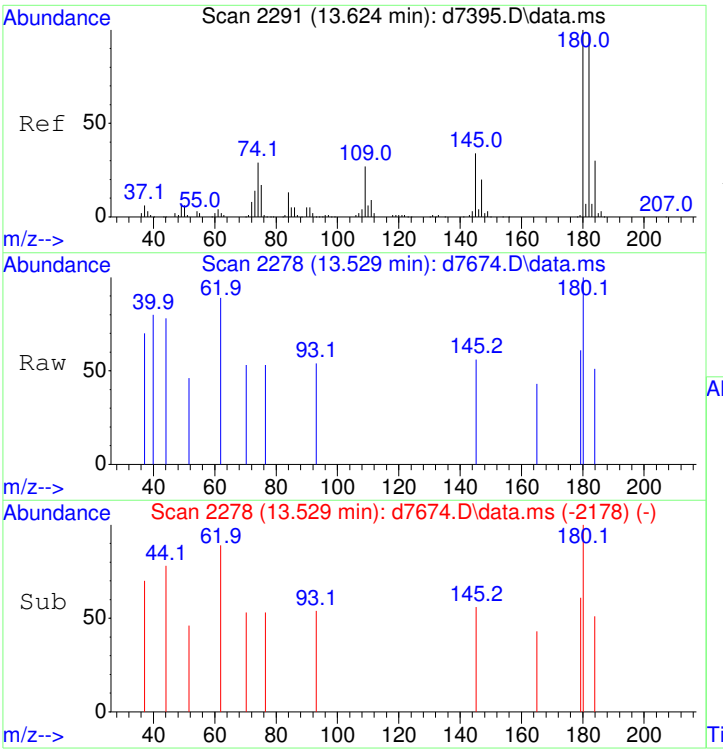
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7674.D
Acq On : 7 Sep 2018 20:24
Operator :
Sample : 180829015-008a
Misc : samp e8260w
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 10 09:37:12 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

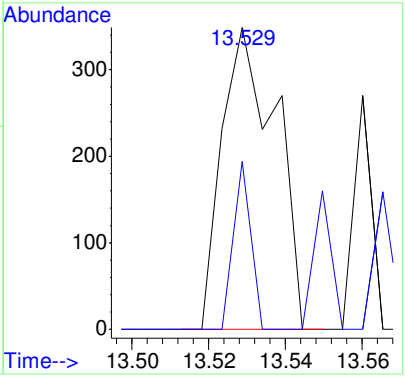




#91
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 13.529 min Scan# 2278
Delta R.T. 0.026 min
Lab File: d7674.D
Acq: 7 Sep 2018 20:24

Tgt Ion:180 Resp: 340

Ion	Ratio	Lower	Upper
180	100		
145	17.9	24.6	36.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7675.D
Acq On : 7 Sep 2018 20:45
Operator :
Sample : 180829015-013a
Misc : samp e8260w
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 10 09:37:50 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

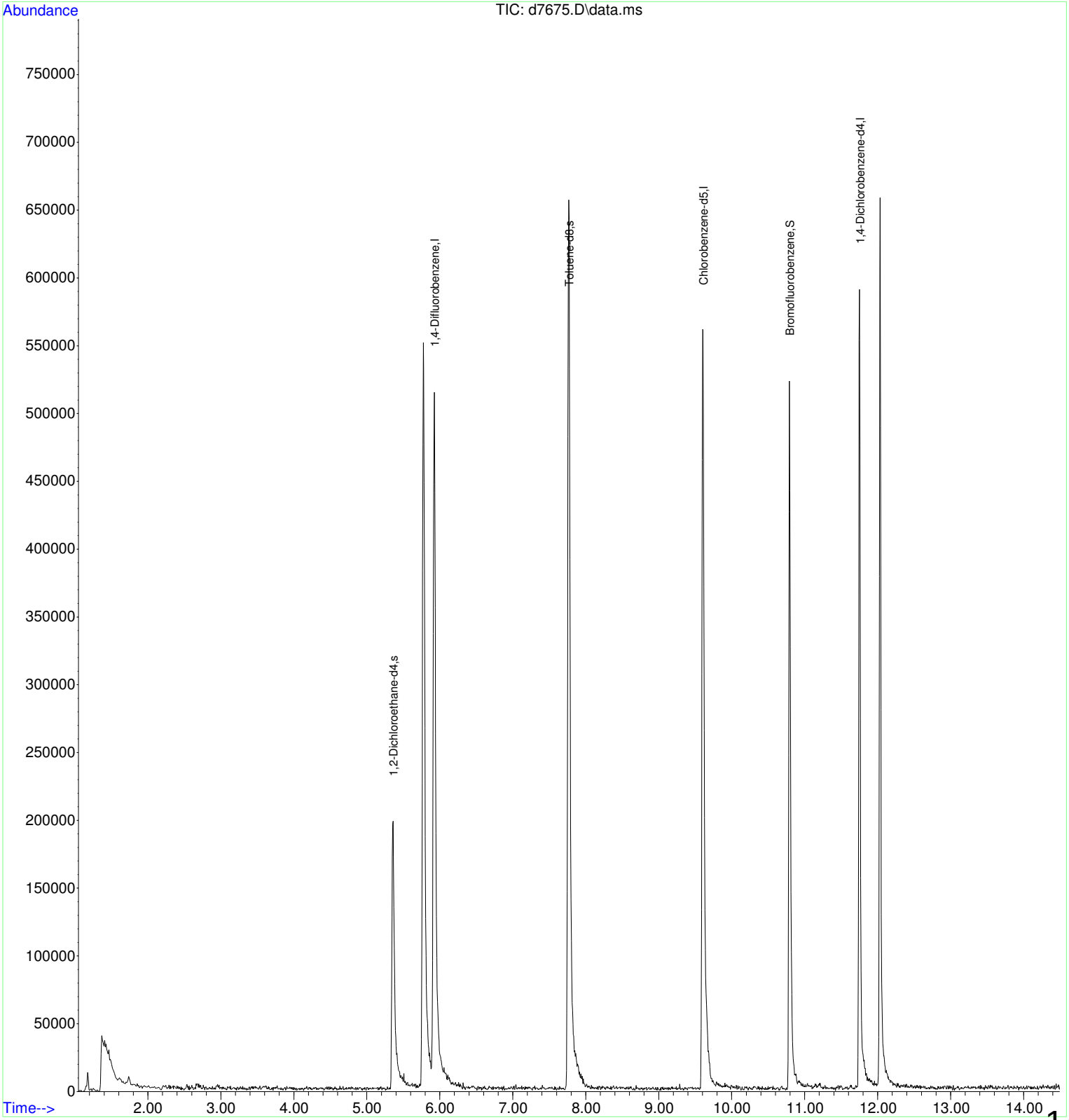
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.926	114	481964	50.00	ug	0.03
34) Chlorobenzene-d5	9.607	117	362529	50.00	ug	0.02
61) 1,4-Dichlorobenzene-d4	11.751	152	115894	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.360	65	186435	45.89	ug	0.04
56) Toluene-d8	7.767	98	566896	55.64	ug	0.02
78) Bromofluorobenzene	10.792	95	173509	53.30	ug	0.01
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7675.D
Acq On : 7 Sep 2018 20:45
Operator :
Sample : 180829015-013a
Misc : samp e8260w
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 10 09:37:50 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7676.D
Acq On : 7 Sep 2018 21:06
Operator :
Sample : 180829015-017b
Misc : samp e8260w
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 09:38:33 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

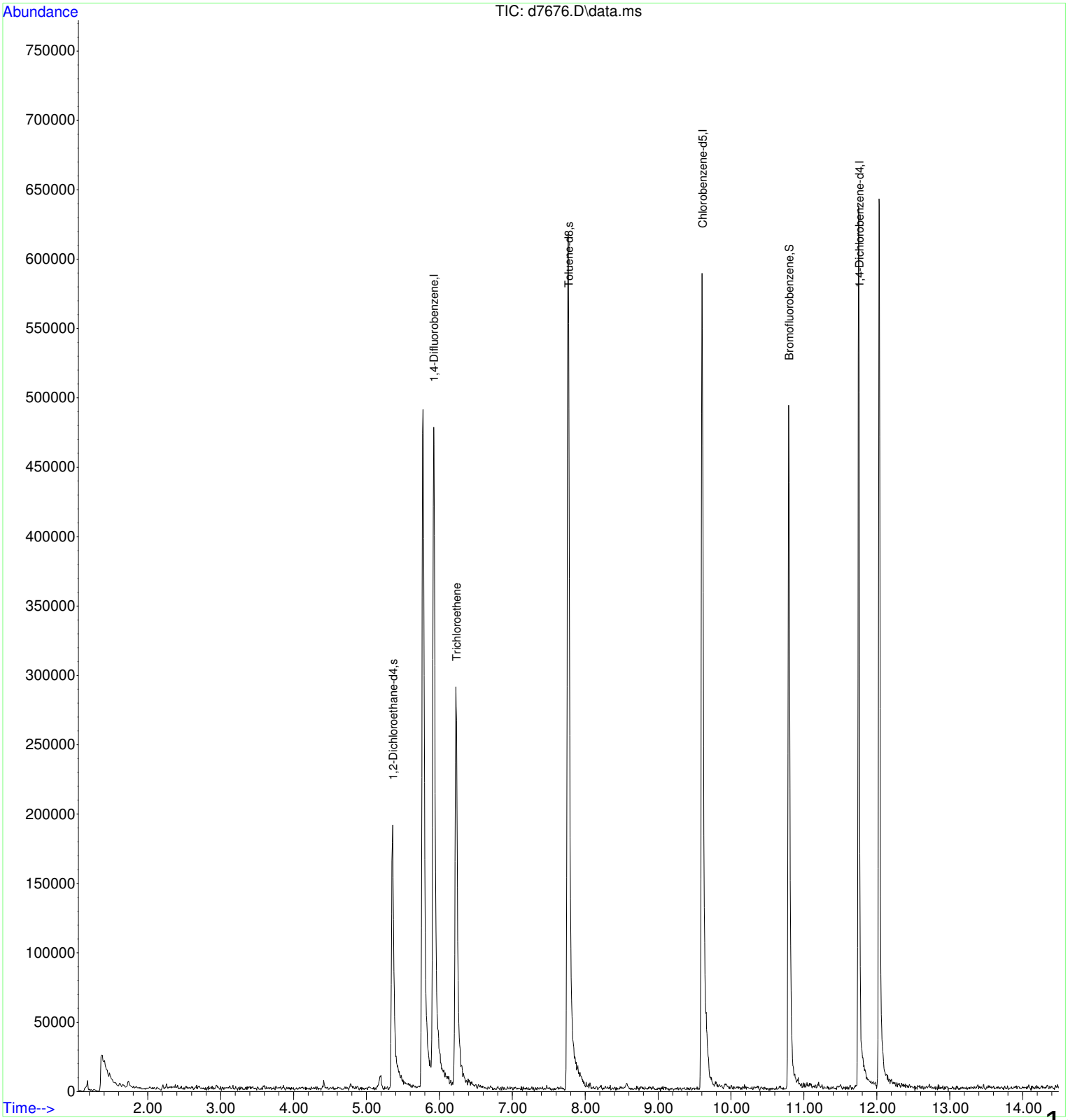
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	437067	50.00	ug	0.03
34) Chlorobenzene-d5	9.602	117	356266	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	112990	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.360	65	166174	45.11	ug	0.04
56) Toluene-d8	7.767	98	528669	52.80	ug	0.02
78) Bromofluorobenzene	10.792	95	174239	54.90	ug	0.01
Target Compounds						Qvalue
40) Trichloroethene	6.231	130	101416	41.17	ug	94

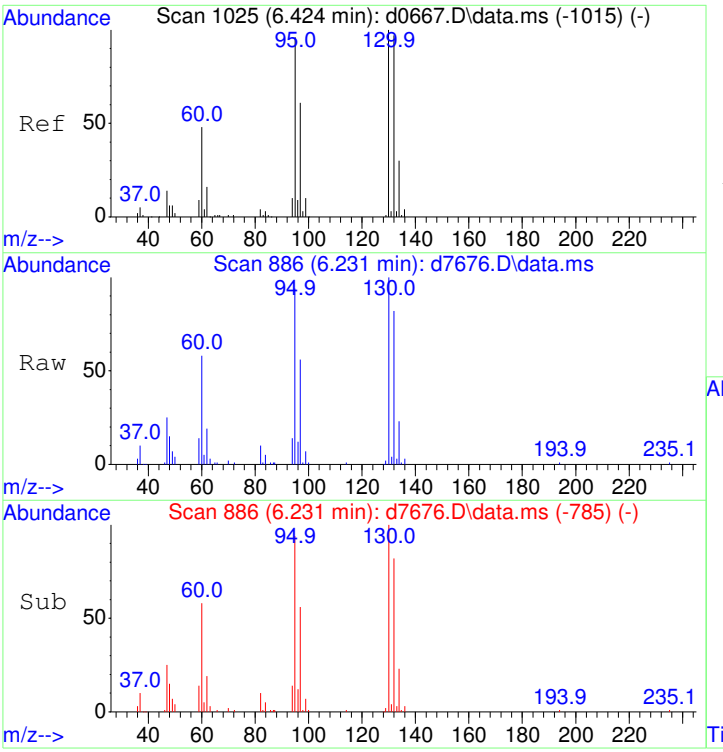
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7676.D
Acq On : 7 Sep 2018 21:06
Operator :
Sample : 180829015-017b
Misc : samp e8260w
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 09:38:33 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

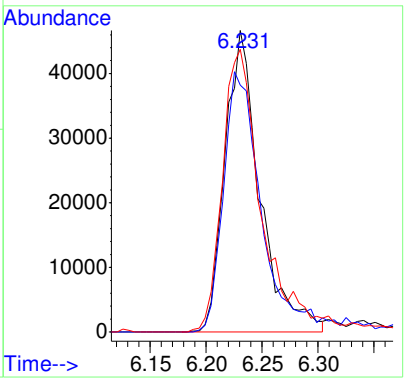




#40
Trichloroethene
Concen: 41.17 ug
RT: 6.231 min Scan# 886
Delta R.T. 0.031 min
Lab File: d7676.D
Acq: 7 Sep 2018 21:06

Tgt Ion:130 Resp: 101416

Ion	Ratio	Lower	Upper
130	100		
132	93.9	72.9	112.9
95	104.8	74.0	114.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7679.D
Acq On : 7 Sep 2018 22:11
Operator :
Sample : 180829015-011a
Misc : samp e8260w
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 09:40:11 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

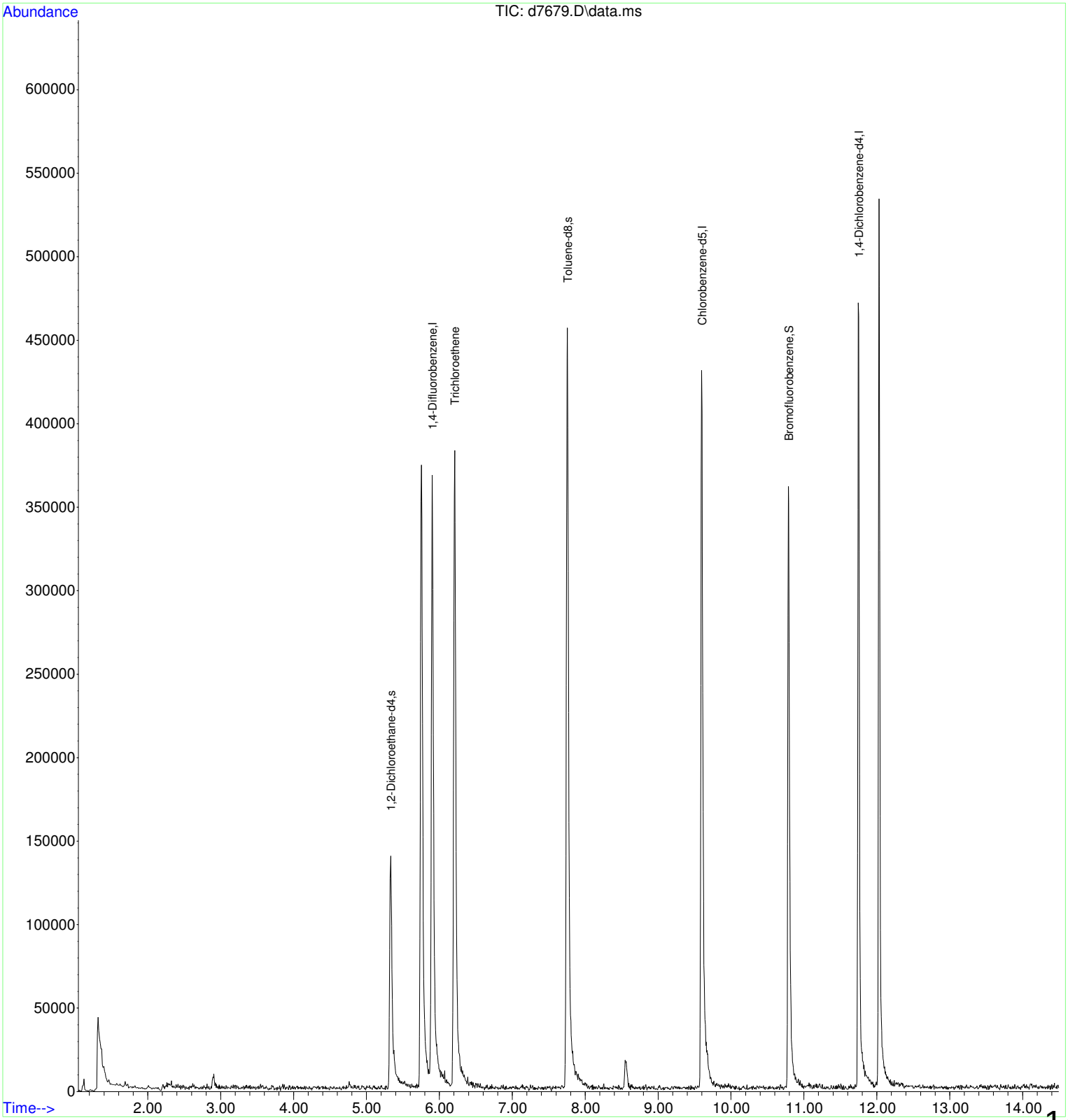
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.900	114	302271	50.00	ug	0.00
34) Chlorobenzene-d5	9.596	117	252622	50.00	ug	0.00
61) 1,4-Dichlorobenzene-d4	11.746	152	89016	50.00	ug	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.334	65	117302	46.04	ug	0.01
56) Toluene-d8	7.756	98	368771	51.94	ug	0.01
78) Bromofluorobenzene	10.787	95	124810	49.92	ug	0.00
Target Compounds						Qvalue
40) Trichloroethene	6.209	130	131164m	75.09	ug	
91) 1,2,3-Trichlorobenzene	13.529	180	70	Below Cal	#	13

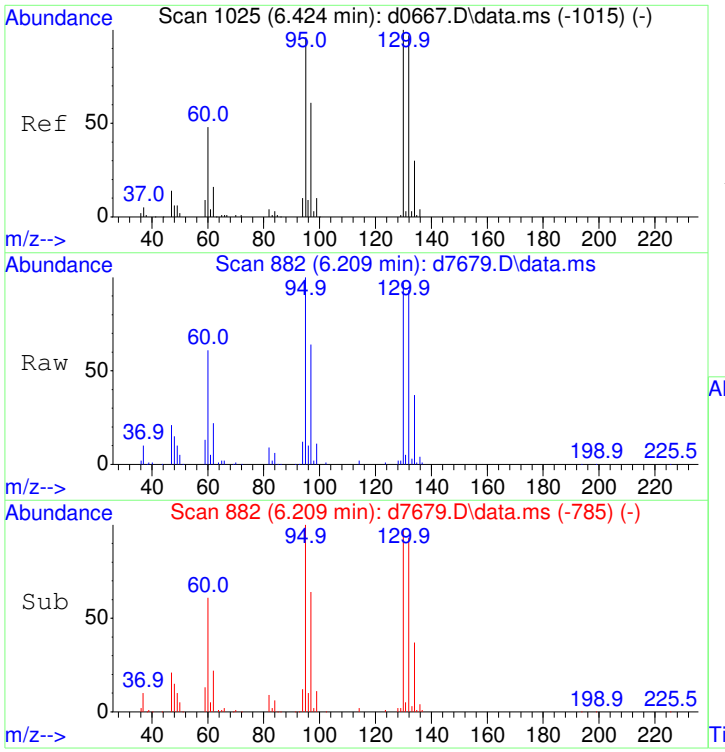
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7679.D
Acq On : 7 Sep 2018 22:11
Operator :
Sample : 180829015-011a
Misc : samp e8260w
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 09:40:11 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

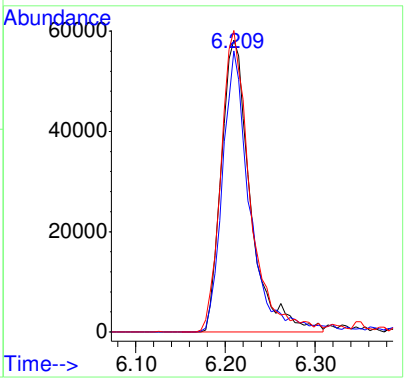


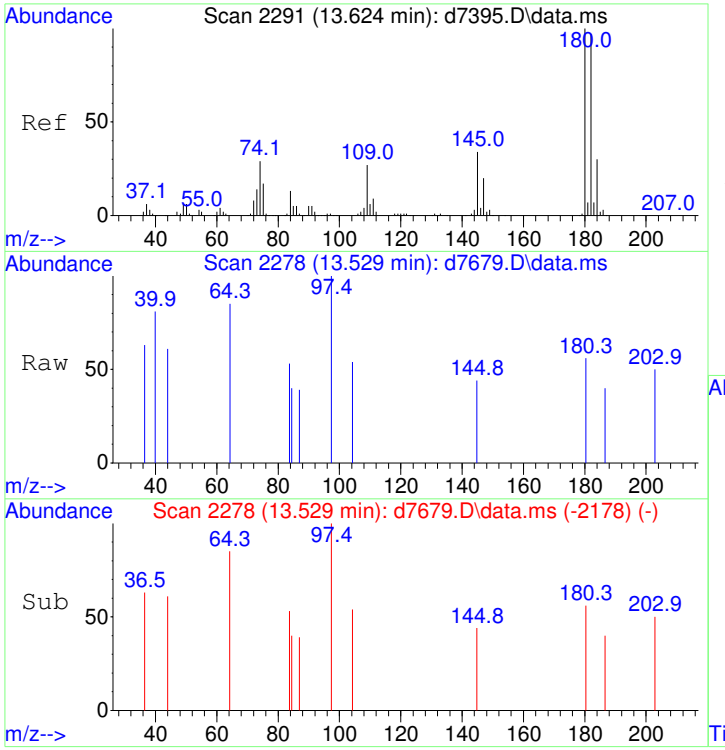


#40
Trichloroethene
Concen: 75.09 ug m
RT: 6.209 min Scan# 882
Delta R.T. 0.010 min
Lab File: d7679.D
Acq: 7 Sep 2018 22:11

Tgt Ion:130 Resp: 131164

Ion	Ratio	Lower	Upper
130	100		
132	90.9	72.9	112.9
95	103.3	74.0	114.0

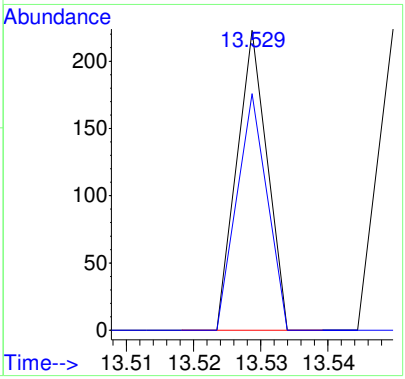




#91
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 13.529 min Scan# 2278
Delta R.T. 0.026 min
Lab File: d7679.D
Acq: 7 Sep 2018 22:11

Tgt Ion:180 Resp: 70

Ion	Ratio	Lower	Upper
180	100		
145	78.6	24.6	36.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7681.D
Acq On : 7 Sep 2018 22:54
Operator :
Sample : 180829015-009ams
Misc : ms e8260w
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	508841	50.00	ug		0.03
34) Chlorobenzene-d5	9.602	117	418363	50.00	ug		0.01
61) 1,4-Dichlorobenzene-d4	11.746	152	162006	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.355	65	194047	45.24	ug		0.03
56) Toluene-d8	7.767	98	615581	52.36	ug		0.02
78) Bromofluorobenzene	10.787	95	220719	48.50	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.280	85	101773m	58.79	ug		
3) Chloromethane	1.406	50	126980m	37.44	ug		
4) Vinyl Chloride	1.494	62	128903m	47.01	ug		
5) Bromomethane	1.727	94	65256m	30.80	ug		
6) Chloroethane	1.815	64	90352m	48.51	ug		
7) Acrolein	2.377	56	75288	146.33	ug		90
8) Trichlorofluoromethane	2.019	101	241931	49.96	ug		97
9) Freon113	2.476	101	57054	23.03	ug		94
10) 1,1-Dichloroethene	2.466	96	125747	49.01	ug	#	84
12) Carbon Disulfide	2.665	76	168236	24.11	ug		100
13) Acetone	2.524	43	55303m	28.68	ug		
14) Iodomethane	2.602	142	6024	4.86	ug		97
15) Acetonitrile	2.718	40	1103	5.11	ug	#	1
16) Methyl Acetate	2.854	43	35452	15.48	ug	#	63
17) Methylene Chloride	2.938	84	133654	42.63	ug	#	61
18) Acrylonitrile	3.216	53	115556	114.28	ug	#	81
19) trans-1,2-Dichloroethene	3.247	96	124877	45.84	ug		90
20) Mtbe	3.268	73	129932	20.37	ug		96
21) 1,1-Dichloroethane	3.719	63	245994	46.41	ug		88
23) cis-1,2-Dichloroethene	4.395	61	202326	41.54	ug		92
24) 2,2-Dichloropropane	4.390	77	59003	19.88	ug	#	67
26) Bromochloromethane	4.668	128	32997	23.35	ug	#	64
28) Chloroform	4.773	83	261762	43.97	ug		97
29) Cyclohexane	5.051	84	95176	21.88	ug	#	76
30) 1,1-Dichloro-1-propene	5.192	75	91947	22.71	ug		81
31) 1,2-Dichloroethane	5.439	62	236918	44.17	ug		93
32) 2-Butanone	4.437	43	51293m	31.93	ug		
35) 1,1,1-Trichloroethane	4.983	97	234983	48.82	ug		99
36) Carbon Tetrachloride	5.182	117	170111	48.75	ug		94
37) Benzene	5.428	78	538040	48.12	ug		100
40) Trichloroethene	6.225	130	254866	88.11	ug		94
41) Methyl Cyclohexane	6.461	83	113651	27.58	ug	#	88
42) 1,2-Dichloropropane	6.487	63	137296	49.60	ug		91
44) Dibromomethane	6.629	174	31505	25.31	ug	#	28
45) 1,4-Dioxane	6.729	88	173	5.77	ug	#	22
47) Bromodichloromethane	6.844	83	195757	49.65	ug		86
48) cis-1,3-Dichloropropene	7.426	75	171934	47.82	ug		95
49) trans-1,3-Dichloropropene	8.149	75	137932m	44.58	ug		
50) 1,1,2-Trichloroethane	8.380	97	121905	46.20	ug		93
51) 1,3-Dichloropropane	8.595	76	100902	23.64	ug	#	74
52) 1,2-Dibromoethane	9.009	107	109827	49.27	ug		96
53) Dibromochloromethane	8.878	129	129674	44.95	ug		95
54) Bromoform	10.472	173	67737	49.04	ug		97
55) 4-Methyl-2-Pentanone	7.657	43	118640	48.14	ug		92
57) Toluene	7.851	92	344947	47.44	ug		90
59) Tetrachloroethene	8.558	164	97778	46.78	ug		93
60) 2-Hexanone	8.763	43	81229	42.33	ug		80
62) Chlorobenzene	9.633	112	378772	46.54	ug		98

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7681.D
Acq On : 7 Sep 2018 22:54
Operator :
Sample : 180829015-009ams
Misc : ms e8260w
ALS Vial : 22 Sample Multiplier: 1

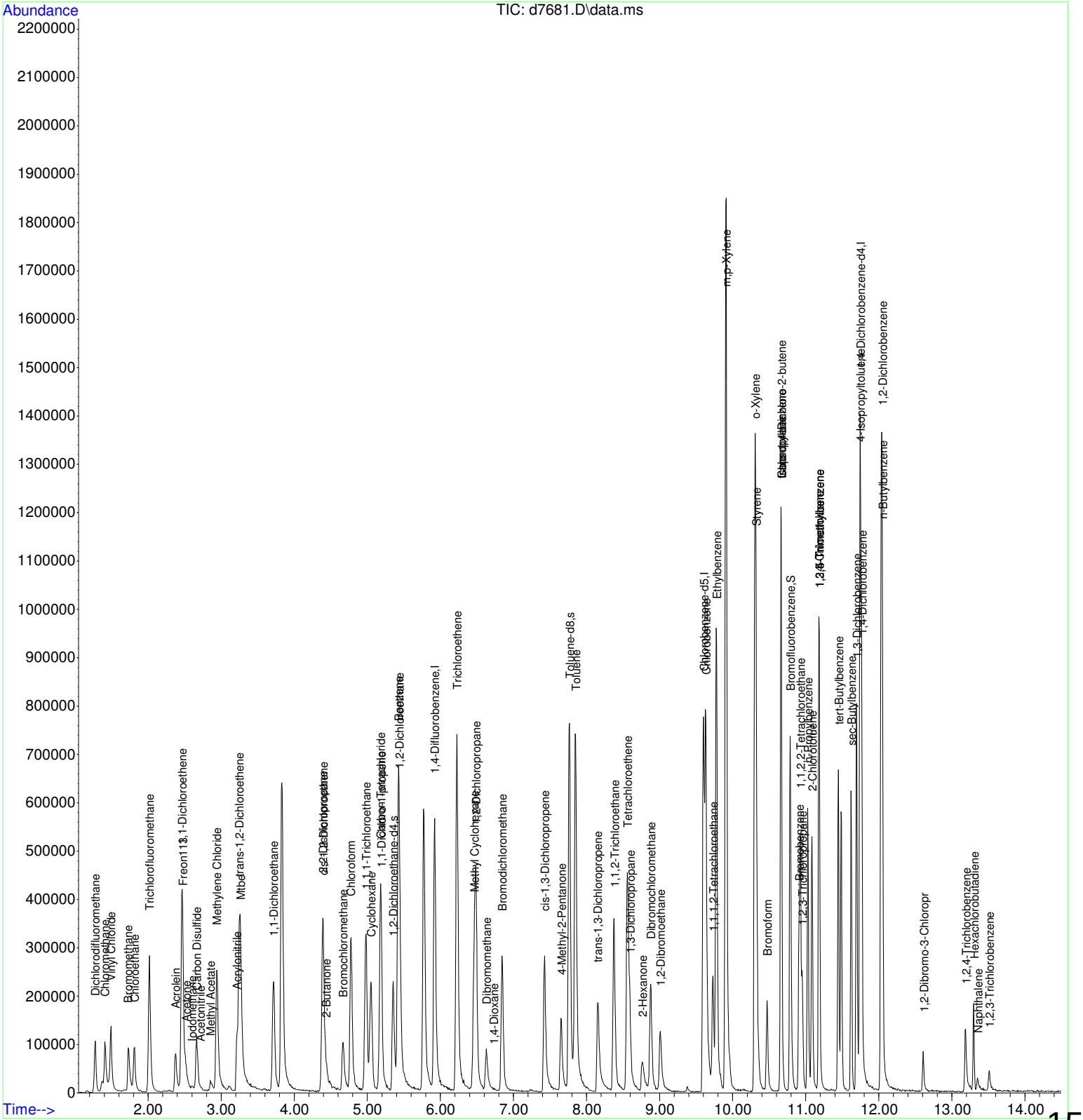
Quant Time: Sep 10 09:52:10 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
63) 1,1,1,2-Tetrachloroethane	9.733	133	55276	21.31	ug		96
64) Ethylbenzene	9.780	106	210692	47.96	ug		99
65) m,p-Xylene	9.906	91	1107812	94.92	ug		87
66) o-Xylene	10.304	106	264193	48.14	ug	#	86
67) Styrene	10.320	104	369000	47.92	ug		74
68) Isopropylbenzene	10.666	105	638500	46.43	ug		98
69) Chloroprene	10.666	53	6791	16.57	ug	#	16
70) trans-1,4-Dichloro-2-b...	10.666	88	667	1.60	ug	#	1
71) Bromobenzene	10.907	77	118312	22.57	ug	#	74
72) 1,2,3-Trichloropropane	10.949	75	60141	20.07	ug		99
73) 2-Chlorotoluene	11.086	91	232642	23.13	ug		99
74) 4-Chlorotoluene	11.180	91	226060	21.57	ug		97
75) 1,3,5-Trimethylbenzene	11.185	105	270793	22.42	ug		96
76) tert-Butylbenzene	11.447	119	221045	23.33	ug		99
77) 1,2,4-Trimethylbenzene	11.185	105	270793	22.42	ug		98
79) 1,1,2,2-Tetrachloroethane	10.923	83	151433	45.19	ug		95
80) n-Propylbenzene	11.028	91	362068	24.09	ug		96
81) 1,3-Dichlorobenzene	11.694	146	211508	43.78	ug	#	76
82) sec-Butylbenzene	11.620	105	299738	23.33	ug		95
83) 4-Isopropyltoluene	11.741	119	218237	22.07	ug	#	89
84) 1,4-Dichlorobenzene	11.767	146	218386	48.16	ug	#	73
85) 1,2-Dichlorobenzene	12.045	146	204420	47.37	ug	#	77
86) n-Butylbenzene	12.050	91	169396	23.00	ug	#	88
87) 1,2-Dibromo-3-Chloropr	12.611	157	13029	41.17	ug	#	45
88) 1,2,4-Trichlorobenzene	13.188	180	36570m	34.75	ug		
89) Hexachlorobutadiene	13.298	225	16036	25.85	ug	#	92
90) Naphthalene	13.351	128	17690	11.42	ug	#	92
91) 1,2,3-Trichlorobenzene	13.508	180	13757m	18.07	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7681.D
Acq On : 7 Sep 2018 22:54
Operator :
Sample : 180829015-009ams
Misc : ms e8260w
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Fri Sep 07 15:05:32 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7682.D
Acq On : 7 Sep 2018 23:15
Operator :
Sample : lcs
Misc : lcs e8260w
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 10 09:53:03 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	495522	50.00	ug		0.03
34) Chlorobenzene-d5	9.602	117	419929	50.00	ug		0.01
61) 1,4-Dichlorobenzene-d4	11.746	152	172000	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.355	65	189423	45.35	ug		0.03
56) Toluene-d8	7.761	98	604600	51.23	ug		0.02
78) Bromofluorobenzene	10.787	95	227234	47.03	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.270	85	84706	50.25	ug		98
3) Chloromethane	1.406	50	138812	42.03	ug		100
4) Vinyl Chloride	1.494	62	138090	51.71	ug		93
5) Bromomethane	1.727	94	73582	36.23	ug		95
6) Chloroethane	1.805	64	95874	52.86	ug		98
7) Acrolein	2.377	56	92405	184.43	ug		85
8) Trichlorofluoromethane	2.019	101	217723	46.17	ug		98
9) Freon113	2.466	101	49730	20.61	ug		94
10) 1,1-Dichloroethene	2.466	96	122419	48.99	ug	#	77
12) Carbon Disulfide	2.665	76	170381	25.07	ug		100
13) Acetone	2.513	43	55476m	29.54	ug		
14) Iodomethane	2.608	142	8173	6.77	ug	#	82
16) Methyl Acetate	2.859	43	44128	19.79	ug	#	76
17) Methylene Chloride	2.938	84	139933	45.83	ug	#	55
18) Acrylonitrile	3.210	53	138470	140.62	ug		90
19) trans-1,2-Dichloroethene	3.247	96	129390	48.77	ug		87
20) Mtbe	3.268	73	139121	22.40	ug		100
21) 1,1-Dichloroethane	3.719	63	263122	50.97	ug		85
23) cis-1,2-Dichloroethene	4.395	61	222662	46.94	ug		91
24) 2,2-Dichloropropane	4.385	77	65648	22.71	ug	#	69
26) Bromochloromethane	4.663	128	35495	25.79	ug	#	60
28) Chloroform	4.778	83	274982	47.44	ug		99
29) Cyclohexane	5.056	84	84625	19.97	ug	#	84
30) 1,1-Dichloro-1-propene	5.187	75	90750	23.01	ug		82
31) 1,2-Dichloroethane	5.449	62	248081	47.49	ug		94
32) 2-Butanone	4.427	43	58712m	37.53	ug		
35) 1,1,1-Trichloroethane	4.983	97	244056	50.52	ug		97
36) Carbon Tetrachloride	5.182	117	161619	46.15	ug		94
37) Benzene	5.423	78	579212	51.61	ug		100
40) Trichloroethene	6.225	130	150439	51.81	ug		93
41) Methyl Cyclohexane	6.456	83	93444	22.59	ug	#	88
42) 1,2-Dichloropropane	6.487	63	144500	52.01	ug		92
44) Dibromomethane	6.624	174	36117	28.91	ug	#	38
45) 1,4-Dioxane	6.629	88	121	4.02	ug	#	29
47) Bromodichloromethane	6.844	83	214827	54.29	ug		88
48) cis-1,3-Dichloropropene	7.426	75	180214	49.93	ug		95
49) trans-1,3-Dichloropropene	8.149	75	140904	45.37	ug		100
50) 1,1,2-Trichloroethane	8.375	97	132951	50.20	ug		90
51) 1,3-Dichloropropane	8.590	76	101756	23.75	ug	#	63
52) 1,2-Dibromoethane	9.015	107	114174	51.03	ug		95
53) Dibromochloromethane	8.878	129	143125	49.43	ug		94
54) Bromoform	10.467	173	71278	51.41	ug		96
55) 4-Methyl-2-Pentanone	7.651	43	132688	53.64	ug		90
57) Toluene	7.851	92	345360	47.32	ug		93
59) Tetrachloroethene	8.564	164	103368	49.27	ug		97
60) 2-Hexanone	8.758	43	85828	44.56	ug		86
62) Chlorobenzene	9.633	112	409159	47.36	ug		99
63) 1,1,1,2-Tetrachloroethane	9.733	133	60447	21.95	ug		97

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7682.D
Acq On : 7 Sep 2018 23:15
Operator :
Sample : lcs
Misc : lcs e8260w
ALS Vial : 23 Sample Multiplier: 1

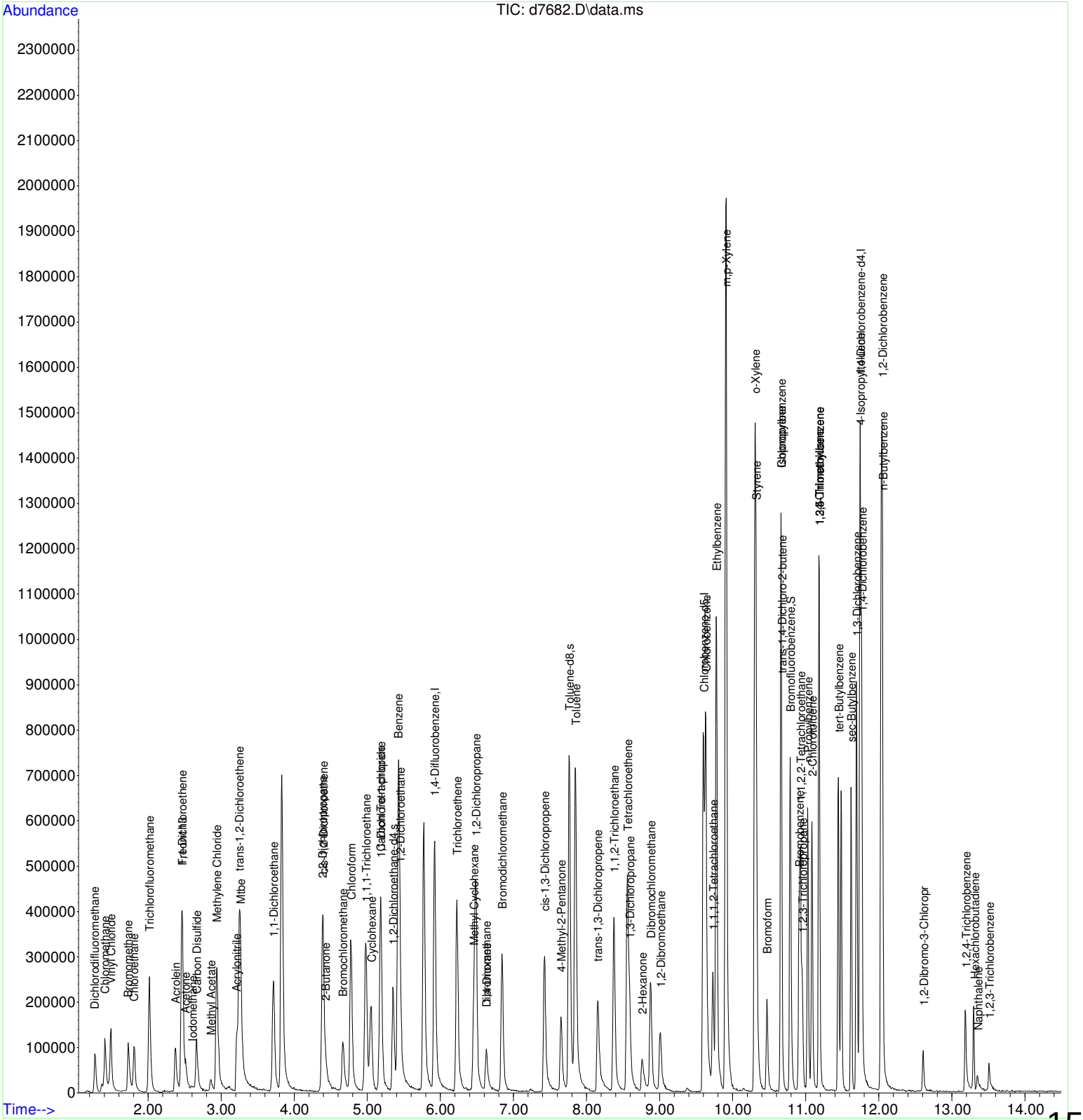
Quant Time: Sep 10 09:53:03 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
64) Ethylbenzene	9.775	106	226739	48.62	ug		98
65) m,p-Xylene	9.906	91	1198078	96.69	ug		90
66) o-Xylene	10.304	106	280390	48.12	ug	#	84
67) Styrene	10.320	104	411550	50.34	ug		71
68) Isopropylbenzene	10.661	105	679418	46.53	ug		98
69) Chloroprene	10.661	53	8881	20.41	ug	#	23
70) trans-1,4-Dichloro-2-b...	10.671	88	1475	3.34	ug	#	1
71) Bromobenzene	10.907	77	136058	24.45	ug	#	70
72) 1,2,3-Trichloropropane	10.954	75	66471	20.90	ug		98
73) 2-Chlorotoluene	11.086	91	263865	24.71	ug		98
74) 4-Chlorotoluene	11.180	91	272711	24.50	ug		95
75) 1,3,5-Trimethylbenzene	11.185	105	305996	23.86	ug		96
76) tert-Butylbenzene	11.447	119	239774	23.84	ug		100
77) 1,2,4-Trimethylbenzene	11.185	105	305996	23.86	ug		98
79) 1,1,2,2-Tetrachloroethane	10.928	83	165903	46.63	ug		94
80) n-Propylbenzene	11.028	91	381359	23.90	ug		97
81) 1,3-Dichlorobenzene	11.694	146	249523	48.64	ug	#	78
82) sec-Butylbenzene	11.620	105	316882	23.23	ug		96
83) 4-Isopropyltoluene	11.741	119	228826	21.79	ug	#	89
84) 1,4-Dichlorobenzene	11.767	146	239946	49.84	ug	#	75
85) 1,2-Dichlorobenzene	12.045	146	228090	49.78	ug	#	77
86) n-Butylbenzene	12.050	91	184476	23.59	ug		90
87) 1,2-Dibromo-3-Chloropr	12.606	157	15555	45.86	ug	#	18
88) 1,2,4-Trichlorobenzene	13.188	180	47279m	41.69	ug		
89) Hexachlorobutadiene	13.303	225	17194	26.10	ug	#	91
90) Naphthalene	13.351	128	28257	16.14	ug		99
91) 1,2,3-Trichlorobenzene	13.508	180	15675	19.57	ug		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\090718\
Data File : d7682.D
Acq On : 7 Sep 2018 23:15
Operator :
Sample : lcs
Misc : lcs e8260w
ALS Vial : 23 Sample Multiplier: 1

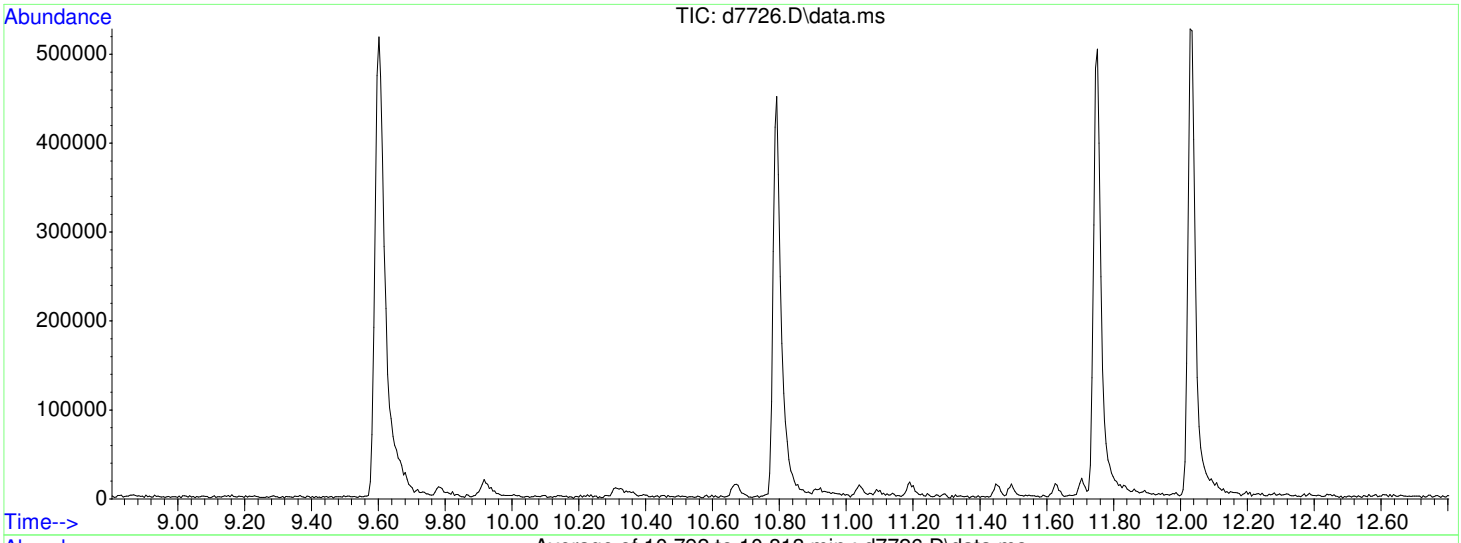
Quant Time: Sep 10 09:53:03 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

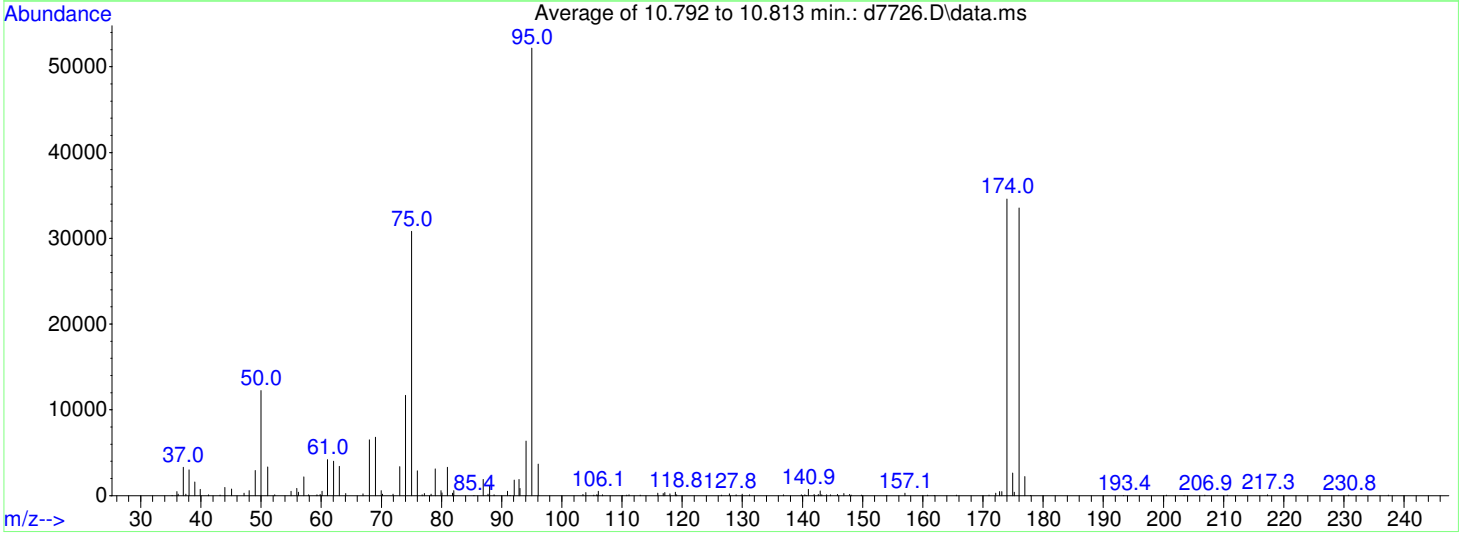


Data Path : C:\msdchem\1\DATA\091018\
Data File : d7726.D
Acq On : 10 Sep 2018 13:58
Operator :
Sample : bfb
Misc : tune bfb
ALS Vial : 50 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\qtmethods\w8260-090718.M
Title : Voa Calibration 8260 Water
Last Update : Tue Sep 11 09:23:29 2018





Spectrum Information: Average of 10.792 to 10.813 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	12232	PASS
75	95	30	60	59.0	30799	PASS
95	95	100	100	100.0	52195	PASS
96	95	5	9	7.0	3678	PASS
173	174	0.00	2	1.3	455	PASS
174	95	50	100	66.2	34565	PASS
175	174	5	9	7.6	2626	PASS
176	174	95	101	97.0	33530	PASS
177	176	5	9	6.7	2230	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7729.D
Acq On : 10 Sep 2018 15:03
Operator :
Sample : lcs
Misc : lcs 93 base voa
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 15:22:57 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	420077	50.00	ug		0.02
34) Chlorobenzene-d5	9.596	117	363462	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.746	152	150422	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.350	65	167821	47.40	ug		0.03
56) Toluene-d8	7.756	98	517482	50.66	ug		0.01
78) Bromofluorobenzene	10.787	95	196887	46.60	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.260	85	81300	56.89	ug		98
3) Chloromethane	1.397	50	120555	43.05	ug		96
4) Vinyl Chloride	1.474	62	109188	48.23	ug		99
5) Bromomethane	1.717	94	60133m	34.78	ug		
6) Chloroethane	1.795	64	73105	47.55	ug		93
7) Acrolein	2.356	56	71748	168.92	ug		91
8) Trichlorofluoromethane	2.000	101	204723	51.21	ug		96
9) Freon113	2.466	101	45054	22.03	ug		96
10) 1,1-Dichloroethene	2.445	96	96749	45.67	ug	#	75
12) Carbon Disulfide	2.644	76	131722	22.86	ug		100
13) Acetone	2.497	43	50163m	31.51	ug		
15) Acetonitrile	2.733	40	534	2.99	ug	#	1
16) Methyl Acetate	2.843	43	37379m	19.78	ug		
17) Methylene Chloride	2.927	84	114795	44.35	ug	#	60
18) Acrylonitrile	3.200	53	141488m	169.49	ug		
19) trans-1,2-Dichloroethene	3.242	96	106542	47.37	ug		90
20) Mtbe	3.252	73	109513	20.80	ug		98
21) 1,1-Dichloroethane	3.703	63	210858	48.19	ug		89
23) cis-1,2-Dichloroethene	4.385	61	180619	44.92	ug		92
24) 2,2-Dichloropropane	4.374	77	56473	23.05	ug	#	69
25) Propionitrile	4.495	54	1227	4.40	ug	#	57
26) Bromochloromethane	4.657	128	27229	23.34	ug	#	58
27) Methacrylonitrile	4.657	67	6348	7.22	ug	#	68
28) Chloroform	4.768	83	228869	46.57	ug		93
29) Cyclohexane	5.040	84	70767	19.70	ug	#	72
30) 1,1-Dichloro-1-propene	5.171	75	76920	23.01	ug		84
31) 1,2-Dichloroethane	5.433	62	198344	44.79	ug		96
32) 2-Butanone	4.427	43	50971m	38.44	ug		
35) 1,1,1-Trichloroethane	4.967	97	195746	46.81	ug		100
36) Carbon Tetrachloride	5.171	117	143497	47.34	ug		96
37) Benzene	5.418	78	462096	47.57	ug		100
38) Isobutanol	5.418	43	2883	30.80	ug	#	1
40) Trichloroethene	6.220	130	119935	47.73	ug		95
41) Methyl Cyclohexane	6.456	83	89339	24.96	ug		91
42) 1,2-Dichloropropane	6.477	63	118880	49.43	ug		92
44) Dibromomethane	6.624	174	32025m	29.61	ug		
45) 1,4-Dioxane	6.697	88	509	19.53	ug	#	66
47) Bromodichloromethane	6.839	83	165162	48.22	ug		88
48) cis-1,3-Dichloropropene	7.421	75	155057	49.64	ug		97
49) trans-1,3-Dichloropropene	8.155	75	121855	45.34	ug		98
50) 1,1,2-Trichloroethane	8.375	97	104279	45.49	ug		89
51) 1,3-Dichloropropane	8.585	76	88099m	23.76	ug		
52) 1,2-Dibromoethane	9.009	107	93328	48.19	ug		99
53) Dibromochloromethane	8.878	129	119118	47.53	ug		92
54) Bromoform	10.467	173	62146	51.79	ug		93
55) 4-Methyl-2-Pentanone	7.646	43	105322	49.19	ug		90
57) Toluene	7.845	92	294422	46.61	ug		93
58) Ethyl Metacrylate	8.333	69	4407	1.71	ug	#	62

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7729.D
Acq On : 10 Sep 2018 15:03
Operator :
Sample : lcs
Misc : lcs 93 base voa
ALS Vial : 13 Sample Multiplier: 1

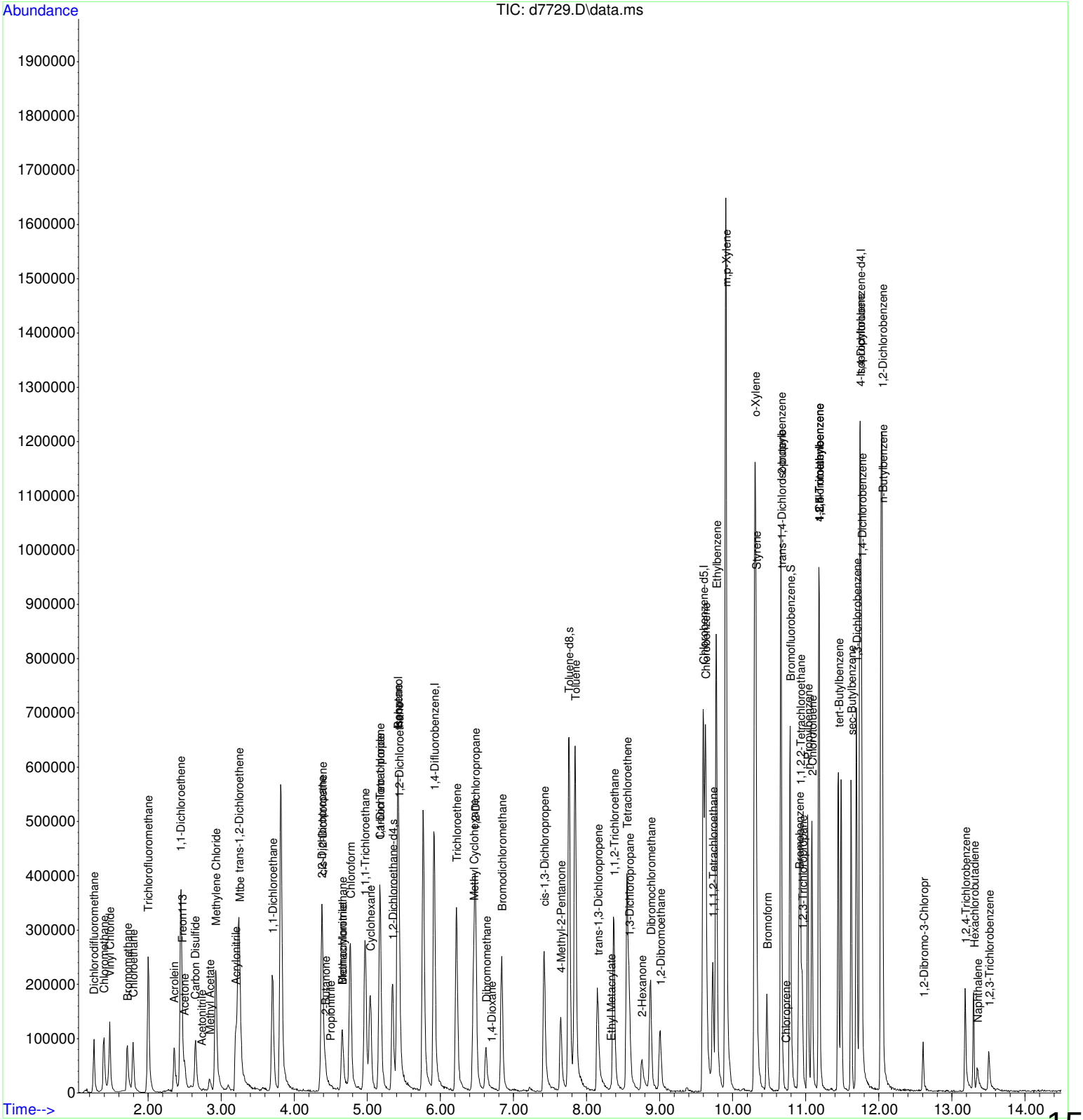
Quant Time: Sep 10 15:22:57 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) Tetrachloroethene	8.553	164	82117	45.22	ug		94
60) 2-Hexanone	8.752	43	67834m	40.69	ug		
62) Chlorobenzene	9.628	112	329988	43.67	ug		100
63) 1,1,1,2-Tetrachloroethane	9.727	133	48231	20.03	ug		96
64) Ethylbenzene	9.775	106	181237	44.43	ug		98
65) m,p-Xylene	9.906	91	961262	88.71	ug		90
66) o-Xylene	10.304	106	222740	43.71	ug	#	84
67) Styrene	10.320	104	317813	44.46	ug		71
68) Isopropylbenzene	10.661	105	537481	42.09	ug		96
69) Chloroprene	10.724	53	572	1.50	ug	#	5
70) trans-1,4-Dichloro-2-b...	10.666	88	672	1.74	ug	#	1
71) Bromobenzene	10.907	77	108496	22.29	ug	#	72
72) 1,2,3-Trichloropropane	10.954	75	59383	21.35	ug		89
73) 2-Chlorotoluene	11.085	91	213813	22.89	ug		98
74) 4-Chlorotoluene	11.180	91	222305	22.84	ug		94
75) 1,3,5-Trimethylbenzene	11.180	105	253598	22.61	ug		96
76) tert-Butylbenzene	11.447	119	203282	23.11	ug		99
77) 1,2,4-Trimethylbenzene	11.180	105	253598	22.61	ug		97
79) 1,1,2,2-Tetrachloroethane	10.923	83	135760	43.63	ug		94
80) n-Propylbenzene	11.028	91	323427	23.18	ug		97
81) 1,3-Dichlorobenzene	11.694	146	195302	43.53	ug	#	83
82) sec-Butylbenzene	11.620	105	274420	23.00	ug		96
83) 4-Isopropyltoluene	11.741	119	201879	21.99	ug	#	86
84) 1,4-Dichlorobenzene	11.762	146	202766	48.16	ug	#	71
85) 1,2-Dichlorobenzene	12.045	146	185996	46.42	ug	#	78
86) n-Butylbenzene	12.050	91	176749	25.85	ug	#	88
87) 1,2-Dibromo-3-Chloropr	12.606	157	12942	43.80	ug	#	3
88) 1,2,4-Trichlorobenzene	13.183	180	42334	42.61	ug	#	84
89) Hexachlorobutadiene	13.298	225	15676	27.18	ug	#	80
90) Naphthalene	13.345	128	42527	26.29	ug	#	94
91) 1,2,3-Trichlorobenzene	13.502	180	16126	23.45	ug	#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7729.D
Acq On : 10 Sep 2018 15:03
Operator :
Sample : lcs
Misc : lcs 93 base voa
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 15:22:57 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7730.D
Acq On : 10 Sep 2018 15:27
Operator :
Sample : vstd050
Misc : ccv 93 base voa
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 15:43:46 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.900	114	362597	50.00	ug		0.00
34) Chlorobenzene-d5	9.597	117	303800	50.00	ug		0.00
61) 1,4-Dichlorobenzene-d4	11.746	152	138179	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.324	65	148207	48.49	ug		0.00
56) Toluene-d8	7.751	98	446569	52.31	ug		0.00
78) Bromofluorobenzene	10.781	95	172166	44.36	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.231	85	67715m	54.89	ug		
3) Chloromethane	1.368	50	114945m	47.56	ug		
4) Vinyl Chloride	1.445	62	99099m	50.72	ug		
5) Bromomethane	1.688	94	79532	57.00	ug		91
6) Chloroethane	1.766	64	65239	49.16	ug		100
7) Acrolein	2.330	56	64564	176.10	ug		99
8) Trichlorofluoromethane	1.980	101	190796	55.29	ug		95
9) Freon113	2.435	101	94482	53.52	ug		91
10) 1,1-Dichloroethene	2.424	96	92811	50.76	ug	#	84
11) Allyl Chloride	2.770	41	193895	47.39	ug		81
12) Carbon Disulfide	2.623	76	232569	46.77	ug		100
13) Acetone	2.471	43	45278m	32.95	ug		
14) Iodomethane	2.555	142	28500	32.25	ug	#	73
15) Acetonitrile	2.744	40	29132	189.24	ug	#	1
16) Methyl Acetate	2.812	43	73361	44.97	ug		98
17) Methylene Chloride	2.901	84	99350	44.47	ug	#	56
18) Acrylonitrile	3.174	53	122210	169.60	ug		98
19) trans-1,2-Dichloroethene	3.211	96	94518	48.69	ug		91
20) Mtbe	3.226	73	395892	87.10	ug		98
21) 1,1-Dichloroethane	3.677	63	185466	49.10	ug		93
22) Hexane	3.546	43	33622	38.94	ug	#	76
23) cis-1,2-Dichloroethene	4.359	61	169075	48.71	ug		92
24) 2,2-Dichloropropane	4.359	77	111784	52.85	ug	#	63
25) Propionitrile	4.448	54	94367	391.95	ug		92
26) Bromochloromethane	4.631	128	49952	49.61	ug	#	41
27) Methacrylonitrile	4.631	67	371668	490.07	ug	#	88
28) Chloroform	4.752	83	201550	47.51	ug		95
29) Cyclohexane	5.019	84	150366	48.50	ug	#	78
30) 1,1-Dichloro-1-propene	5.161	75	148053	51.31	ug		83
31) 1,2-Dichloroethane	5.423	62	176223	46.10	ug		97
32) 2-Butanone	4.411	43	49587m	43.32	ug		
35) 1,1,1-Trichloroethane	4.951	97	179004	51.22	ug		98
36) Carbon Tetrachloride	5.150	117	132350	52.23	ug		96
37) Benzene	5.397	78	417687	51.44	ug		100
38) Isobutanol	5.381	43	66789	853.54	ug	#	48
39) Heptane	5.795	43	100080	49.89	ug	#	77
40) Trichloroethene	6.210	130	109784	52.26	ug		95
41) Methyl Cyclohexane	6.446	83	168932	56.46	ug	#	88
42) 1,2-Dichloropropane	6.472	63	98267	48.89	ug		79
43) Vinyl Acetate	3.777	43	120640	55.04	ug	#	100
44) Dibromomethane	6.608	174	52316	57.88	ug	#	44
45) 1,4-Dioxane	6.676	88	19601	899.76	ug	#	82
46) Methyl Methacrylate	6.687	69	63155	56.41	ug	#	70
47) Bromodichloromethane	6.828	83	154456	53.95	ug		87
48) cis-1,3-Dichloropropene	7.415	75	134638	51.57	ug		93
49) trans-1,3-Dichloropropene	8.139	75	108878	48.46	ug		97
50) 1,1,2-Trichloroethane	8.370	97	94657	49.40	ug		87
51) 1,3-Dichloropropane	8.579	76	153007	49.36	ug	#	68

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7730.D
Acq On : 10 Sep 2018 15:27
Operator :
Sample : vstd050
Misc : ccv 93 base voa
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 15:43:46 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

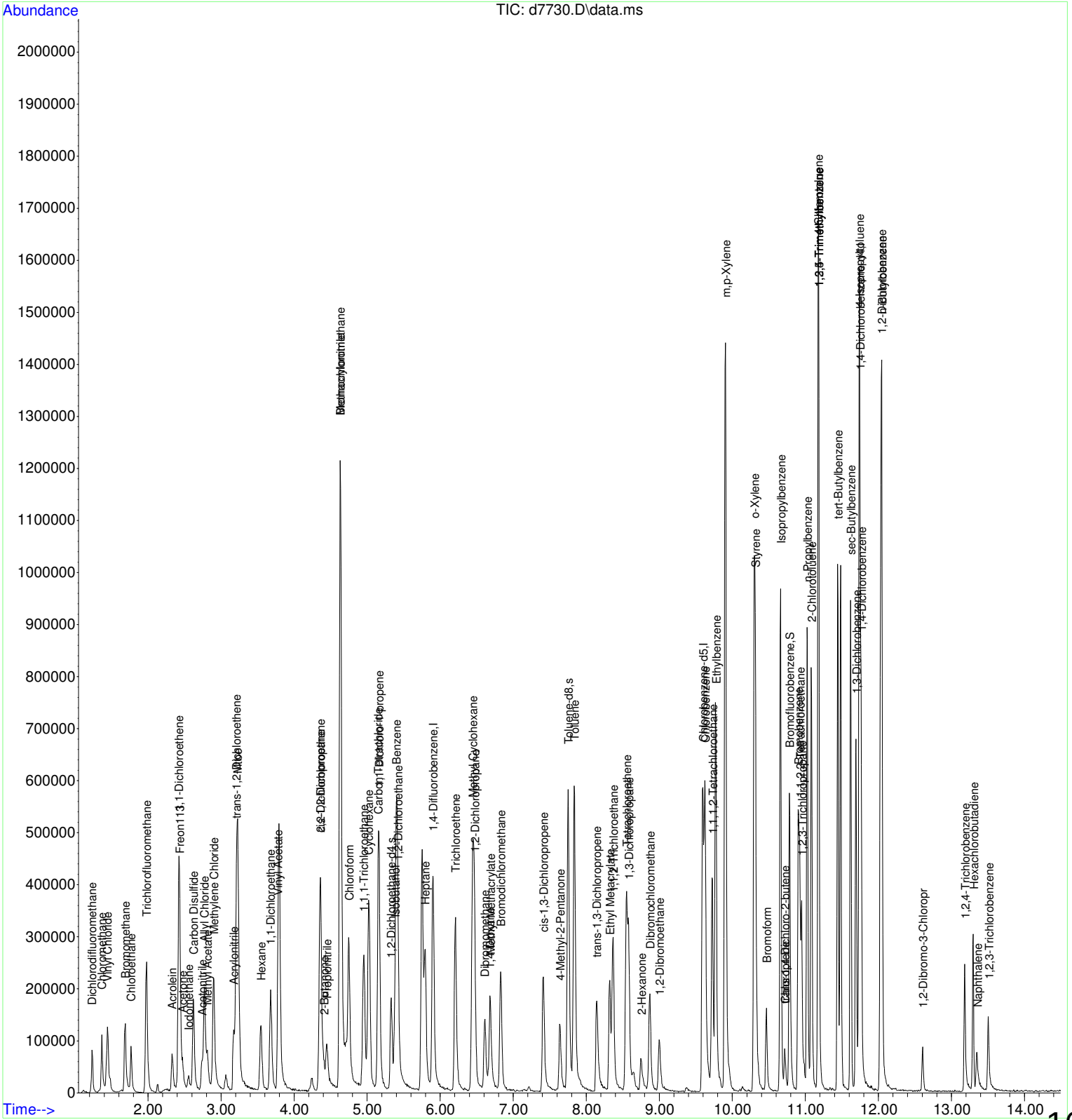
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 1,2-Dibromoethane	8.999	107	77621	47.95	ug		95
53) Dibromochloromethane	8.873	129	103528	49.42	ug		93
54) Bromoform	10.467	173	50989	50.83	ug		99
55) 4-Methyl-2-Pentanone	7.641	43	101156	56.52	ug		87
57) Toluene	7.835	92	266869	50.55	ug		95
58) Ethyl Metacrylate	8.323	69	112090	52.14	ug	#	98
59) Tetrachloroethene	8.553	164	77423	51.01	ug		92
60) 2-Hexanone	8.752	43	68447m	49.12	ug		
62) Chlorobenzene	9.628	112	292555	42.15	ug		99
63) 1,1,1,2-Tetrachloroethane	9.728	133	90938	41.10	ug		98
64) Ethylbenzene	9.775	106	161485	43.10	ug		99
65) m,p-Xylene	9.906	91	867507	87.15	ug		90
66) o-Xylene	10.299	106	197585	42.21	ug	#	83
67) Styrene	10.315	104	285158	43.42	ug		73
68) Isopropylbenzene	10.661	105	504345	43.00	ug		97
69) Chloroprene	10.719	53	17845	51.04	ug		90
70) trans-1,4-Dichloro-2-b...	10.719	88	17462	49.19	ug	#	53
71) Bromobenzene	10.902	77	189543	42.40	ug	#	70
72) 1,2,3-Trichloropropane	10.949	75	104081	40.73	ug		90
73) 2-Chlorotoluene	11.080	91	363984	42.42	ug		95
74) 4-Chlorotoluene	11.175	91	390702	43.70	ug		96
75) 1,3,5-Trimethylbenzene	11.180	105	441881	42.89	ug		97
76) tert-Butylbenzene	11.442	119	347681	43.03	ug		97
77) 1,2,4-Trimethylbenzene	11.180	105	441881	42.89	ug		99
79) 1,1,2,2-Tetrachloroethane	10.923	83	122667	42.91	ug		95
80) n-Propylbenzene	11.023	91	552325	43.09	ug		97
81) 1,3-Dichlorobenzene	11.694	146	192659	46.75	ug	#	83
82) sec-Butylbenzene	11.620	105	465054	42.43	ug		97
83) 4-Isopropyltoluene	11.736	119	377293	44.73	ug	#	91
84) 1,4-Dichlorobenzene	11.762	146	185634	47.99	ug	#	69
85) 1,2-Dichlorobenzene	12.040	146	176173	47.86	ug	#	79
86) n-Butylbenzene	12.045	91	300074	47.77	ug	#	88
87) 1,2-Dibromo-3-Chloropr	12.601	157	13554	49.44	ug	#	35
88) 1,2,4-Trichlorobenzene	13.183	180	50574	54.55	ug	#	88
89) Hexachlorobutadiene	13.298	225	26120	48.73	ug	#	82
90) Naphthalene	13.351	128	67479	43.93	ug	#	94
91) 1,2,3-Trichlorobenzene	13.508	180	32850m	54.91	ug		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7730.D
Acq On : 10 Sep 2018 15:27
Operator :
Sample : vstd050
Misc : ccv 93 base voa
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 15:43:46 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7734.D
Acq On : 10 Sep 2018 16:52
Operator :
Sample : vblk
Misc : mblk 93 base voa
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:00:37 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

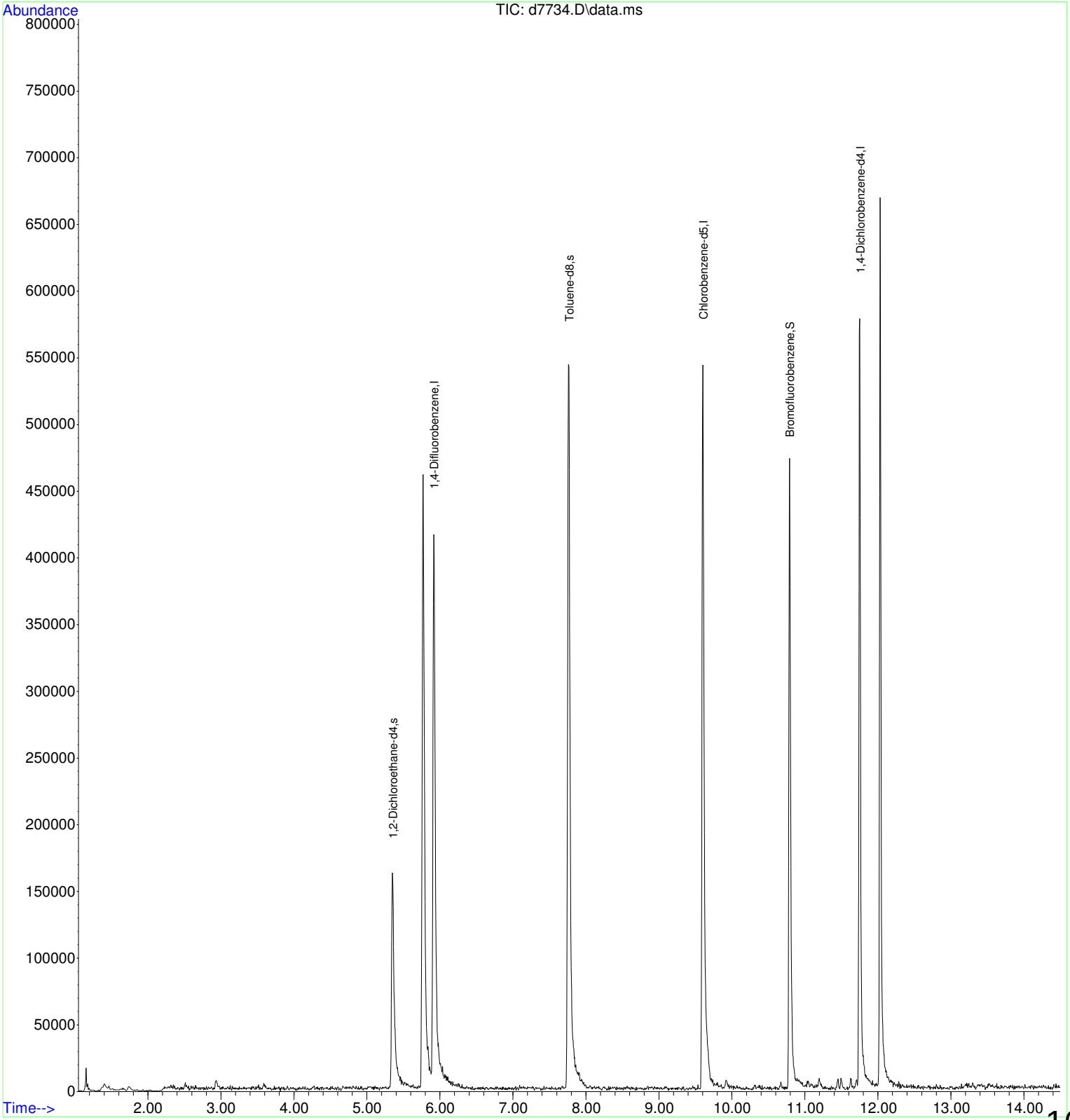
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	371308	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	317691	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.751	152	107325	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.355	65	149642	47.81	ug	0.03
56) Toluene-d8	7.767	98	473917	53.08	ug	0.02
78) Bromofluorobenzene	10.787	95	161630	53.61	ug	0.00
Target Compounds						Qvalue
91) 1,2,3-Trichlorobenzene	13.524	180	584	Below Cal		96

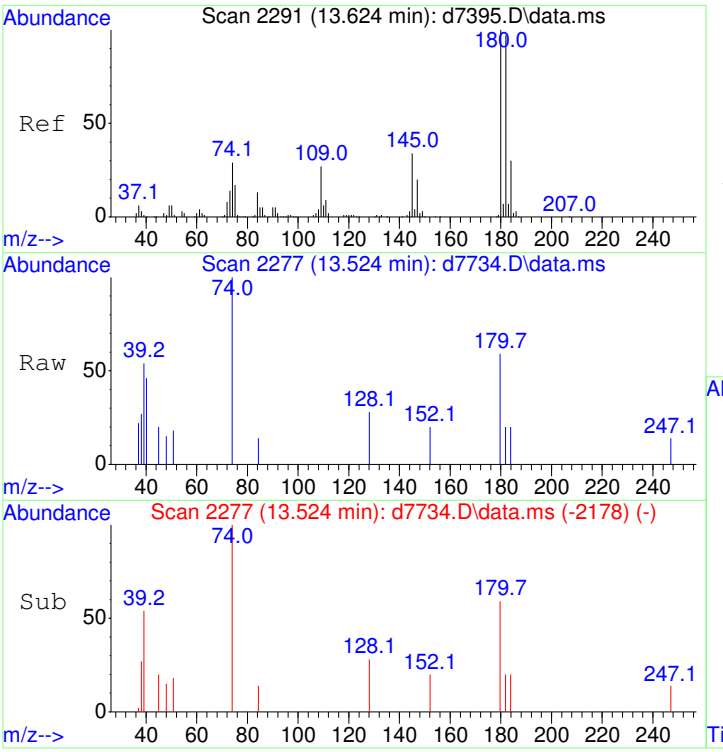
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7734.D
Acq On : 10 Sep 2018 16:52
Operator :
Sample : vblk
Misc : mblk 93 base voa
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:00:37 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

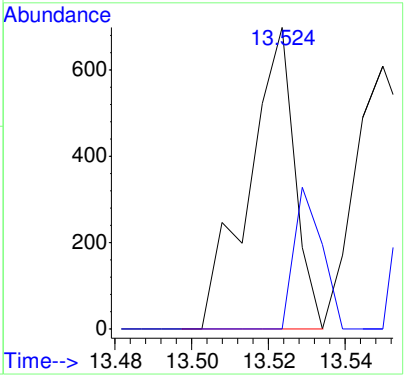




#91
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 13.524 min Scan# 2277
Delta R.T. 0.021 min
Lab File: d7734.D
Acq: 10 Sep 2018 16:52

Tgt Ion:180 Resp: 584

Ion	Ratio	Lower	Upper
180	100		
145	28.3	24.6	36.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7735.D
Acq On : 10 Sep 2018 17:14
Operator :
Sample : 180829015-003a
Misc : samp e8260w
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:04:21 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

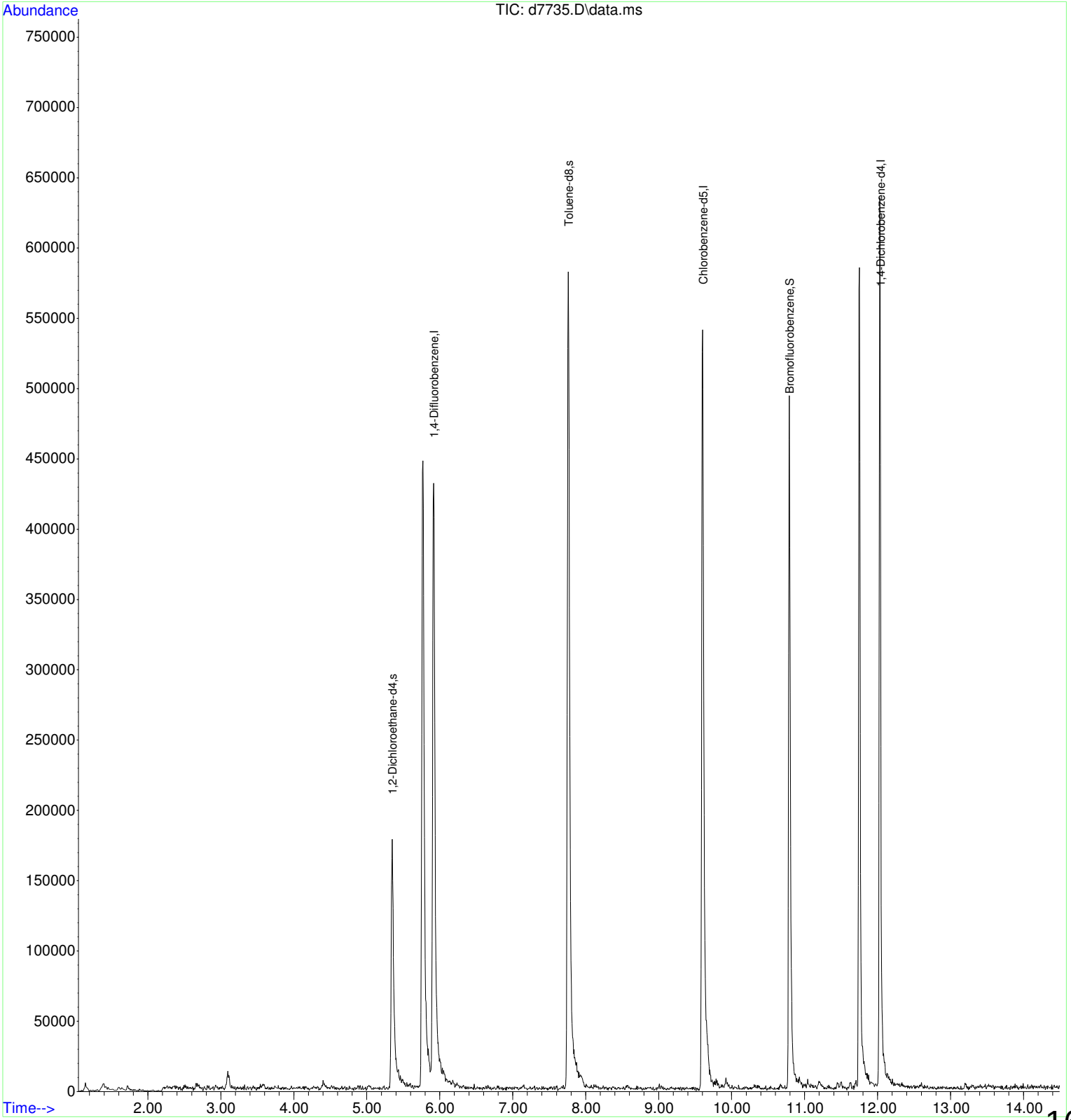
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.916	114	387134	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	332441	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	12.035	152	122649	50.00	ug	0.29
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.350	65	153585	47.07	ug	0.03
56) Toluene-d8	7.762	98	477295	51.09	ug	0.02
78) Bromofluorobenzene	10.787	95	168090	48.79	ug	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7735.D
Acq On : 10 Sep 2018 17:14
Operator :
Sample : 180829015-003a
Misc : samp e8260w
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:04:21 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7736.D
Acq On : 10 Sep 2018 17:35
Operator :
Sample : 180829015-005a
Misc : samp e8260w
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:05:12 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

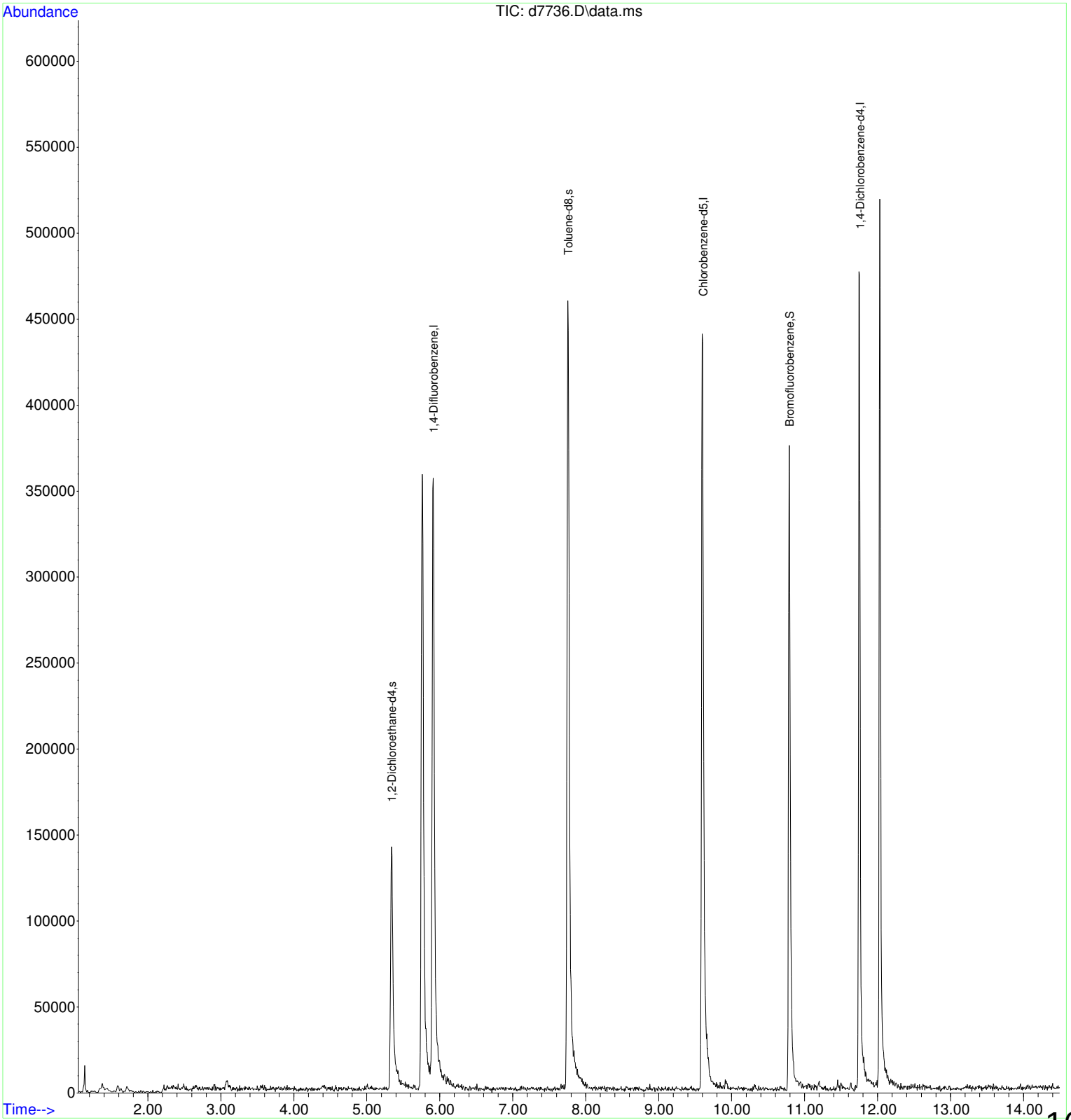
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.911	114	310189	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	261946	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.752	152	92339	50.00	ug	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.339	65	122498	46.85	ug	0.02
56) Toluene-d8	7.756	98	384312	52.21	ug	0.01
78) Bromofluorobenzene	10.787	95	133836	51.60	ug	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7736.D
Acq On : 10 Sep 2018 17:35
Operator :
Sample : 180829015-005a
Misc : samp e8260w
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:05:12 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7737.D
Acq On : 10 Sep 2018 17:57
Operator :
Sample : 180829015-001a
Misc : samp e8260w
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 09:30:37 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

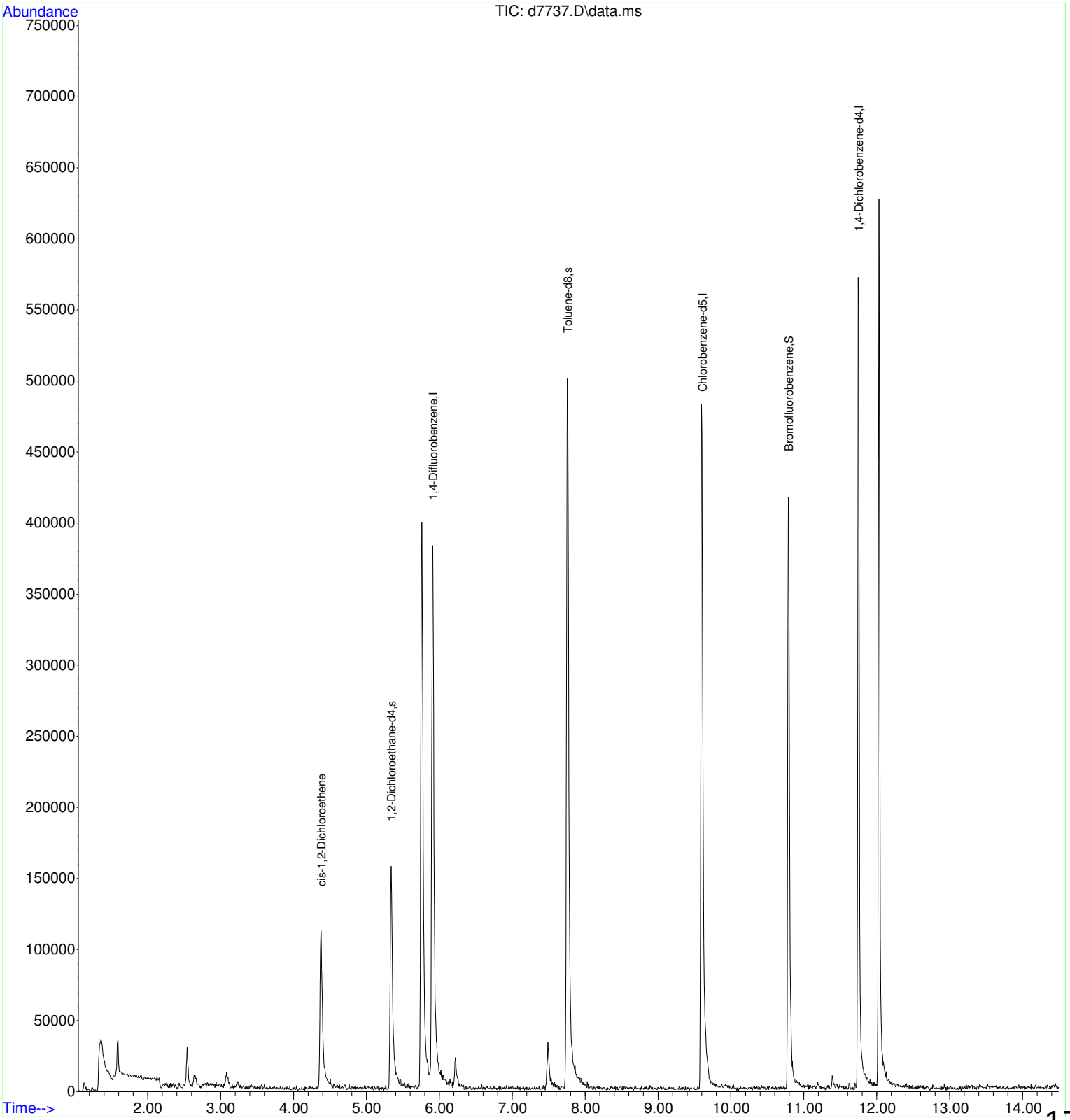
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.911	114	331119	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	281776	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	11.746	152	103566	50.00	ug	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.339	65	131359	47.07	ug	0.02
56) Toluene-d8	7.756	98	407589	51.47	ug	0.01
78) Bromofluorobenzene	10.787	95	145504	50.02	ug	0.00
Target Compounds						Qvalue
23) cis-1,2-Dichloroethene	4.380	61	76278	24.07	ug	96
91) 1,2,3-Trichlorobenzene	13.513	180	326	Below Cal	#	44

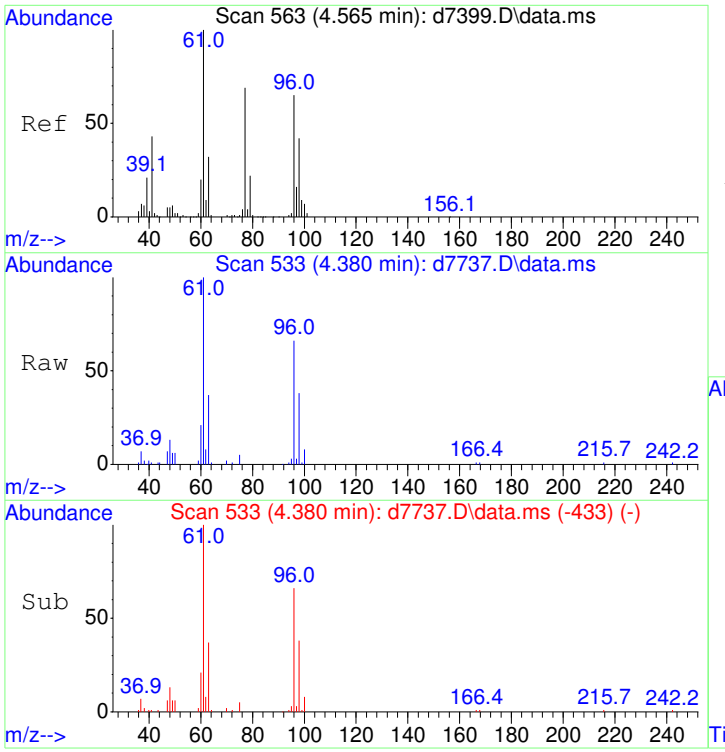
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7737.D
Acq On : 10 Sep 2018 17:57
Operator :
Sample : 180829015-001a
Misc : samp e8260w
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 09:30:37 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

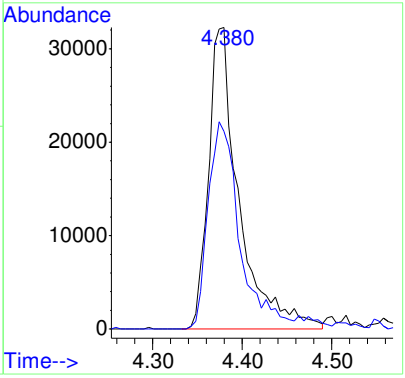


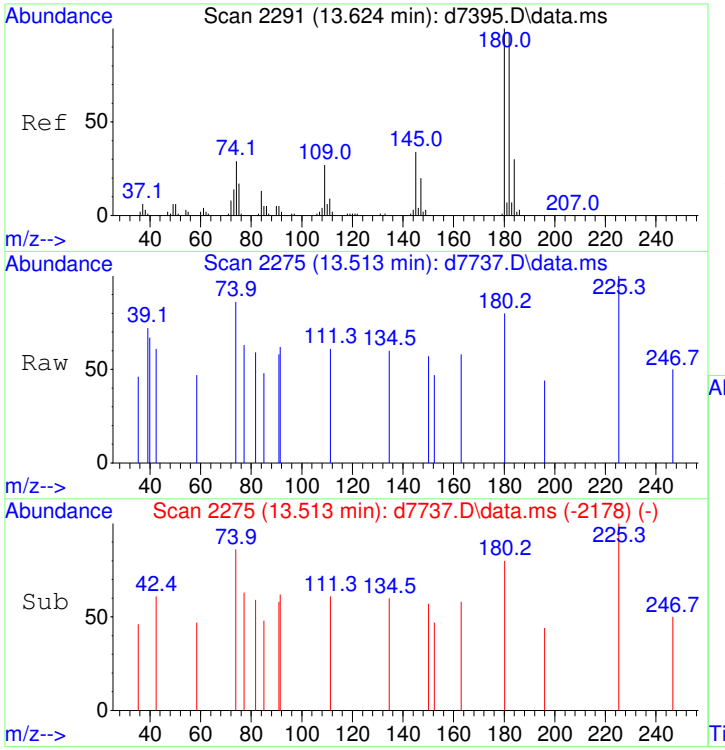


#23
cis-1,2-Dichloroethene
Concen: 24.07 ug
RT: 4.380 min Scan# 533
Delta R.T. 0.026 min
Lab File: d7737.D
Acq: 10 Sep 2018 17:57

Tgt Ion: 61 Resp: 76278

Ion	Ratio	Lower	Upper
61	100		
96	71.3	59.7	89.5

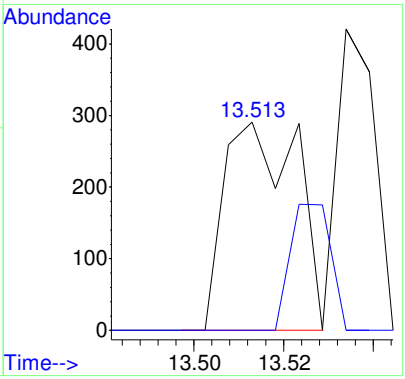




#91
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 13.513 min Scan# 2275
Delta R.T. 0.010 min
Lab File: d7737.D
Acq: 10 Sep 2018 17:57

Tgt Ion:180 Resp: 326

Ion	Ratio	Lower	Upper
180	100		
145	0.0	24.6	36.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7738.D
Acq On : 10 Sep 2018 18:21
Operator :
Sample : 180829015-012a
Misc : samp e8260w
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 09:07:59 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

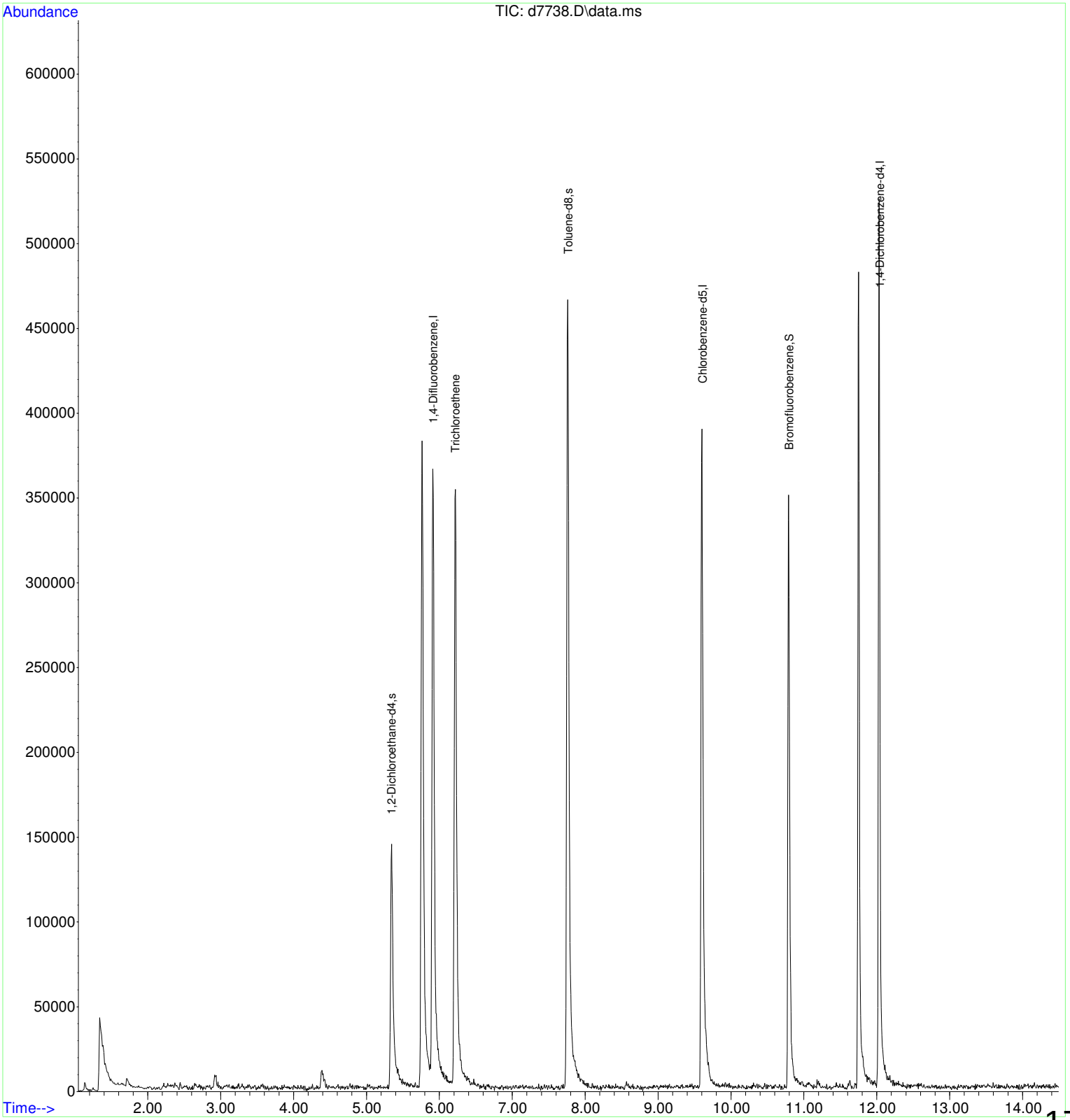
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.911	114	322992	50.00	ug	0.02
34) Chlorobenzene-d5	9.602	117	224904	50.00	ug	0.01
61) 1,4-Dichlorobenzene-d4	12.034	152	99928	50.00	ug	0.29
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.339	65	122948	45.16	ug	0.02
56) Toluene-d8	7.761	98	385245	60.95	ug	0.02
78) Bromofluorobenzene	10.792	95	119566	42.60	ug	0.01
Target Compounds						Qvalue
40) Trichloroethene	6.215	130	125986m	81.02	ug	

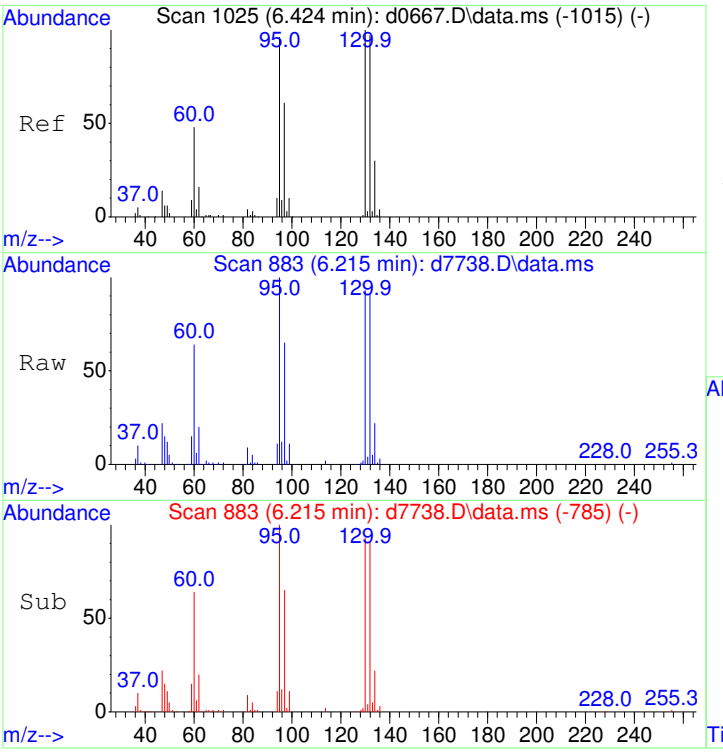
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7738.D
Acq On : 10 Sep 2018 18:21
Operator :
Sample : 180829015-012a
Misc : samp e8260w
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 09:07:59 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Mon Sep 10 09:43:18 2018
Response via : Initial Calibration

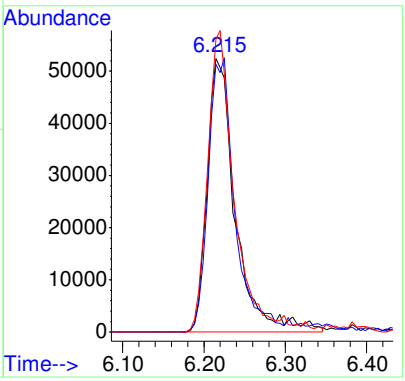




#40
Trichloroethene
Concen: 81.02 ug m
RT: 6.215 min Scan# 883
Delta R.T. 0.016 min
Lab File: d7738.D
Acq: 10 Sep 2018 18:21

Tgt Ion:130 Resp: 125986

Ion	Ratio	Lower	Upper
130	100		
132	94.4	72.9	112.9
95	102.3	74.0	114.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7753.D
Acq On : 10 Sep 2018 23:43
Operator :
Sample : 180829015-009amsd
Misc : msd e8260w
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 11 09:32:05 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Tue Sep 11 09:23:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.926	114	481658	50.00	ug		0.03
34) Chlorobenzene-d5	9.602	117	417065	50.00	ug		0.01
61) 1,4-Dichlorobenzene-d4	11.746	152	159054	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.360	65	187860	46.27	ug		0.04
56) Toluene-d8	7.772	98	609447	52.00	ug		0.03
78) Bromofluorobenzene	10.787	95	222015	49.69	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.290	85	93537	57.08	ug		99
3) Chloromethane	1.426	50	116719	36.35	ug		95
4) Vinyl Chloride	1.504	62	117891	45.42	ug		96
5) Bromomethane	1.747	94	60418	30.06	ug		87
6) Chloroethane	1.825	64	80647	45.75	ug		99
8) Trichlorofluoromethane	2.029	101	237737	51.86	ug		97
9) Freon113	2.492	101	58156	24.80	ug		95
10) 1,1-Dichloroethene	2.482	96	117853	48.52	ug		90
12) Carbon Disulfide	2.681	76	147604	22.35	ug		100
13) Acetone	2.534	43	45281m	24.81	ug		
15) Acetonitrile	2.728	40	779	3.81	ug	#	1
16) Methyl Acetate	2.875	43	32671	15.08	ug		91
17) Methylene Chloride	2.959	84	121986	41.10	ug	#	66
18) Acrylonitrile	3.226	53	112989	118.04	ug		99
19) trans-1,2-Dichloroethene	3.268	96	108871	42.22	ug	#	87
20) Mtbe	3.289	73	108960m	18.05	ug		
21) 1,1-Dichloroethane	3.730	63	229765	45.79	ug		91
23) cis-1,2-Dichloroethene	4.401	61	179671	38.97	ug		97
24) 2,2-Dichloropropane	4.395	77	46168	16.43	ug	#	66
26) Bromochloromethane	4.673	128	32165	24.05	ug	#	71
28) Chloroform	4.789	83	239524	42.51	ug		99
29) Cyclohexane	5.061	84	86752m	21.07	ug		
30) 1,1-Dichloro-1-propene	5.198	75	83473	21.78	ug		84
31) 1,2-Dichloroethane	5.455	62	212723	41.89	ug		90
32) 2-Butanone	4.453	43	42543m	27.98	ug		
35) 1,1,1-Trichloroethane	4.993	97	215444	44.90	ug		98
36) Carbon Tetrachloride	5.192	117	167799	48.24	ug		97
37) Benzene	5.434	78	500638	44.91	ug		100
40) Trichloroethene	6.236	130	244261	84.71	ug		97
41) Methyl Cyclohexane	6.466	83	100418	24.45	ug		90
42) 1,2-Dichloropropane	6.498	63	123849	44.88	ug		89
44) Dibromomethane	6.639	174	29231	23.56	ug	#	29
45) 1,4-Dioxane	6.676	88	82	2.74	ug	#	22
47) Bromodichloromethane	6.854	83	181946	46.29	ug		86
48) cis-1,3-Dichloropropene	7.426	75	149962	41.84	ug		95
49) trans-1,3-Dichloropropene	8.160	75	114778	37.21	ug		95
50) 1,1,2-Trichloroethane	8.375	97	115529	43.92	ug		96
51) 1,3-Dichloropropane	8.595	76	88610	20.82	ug	#	77
52) 1,2-Dibromoethane	9.009	107	99631	44.83	ug		95
53) Dibromochloromethane	8.883	129	120841	42.02	ug		94
54) Bromoform	10.472	173	58665	42.60	ug		96
55) 4-Methyl-2-Pentanone	7.657	43	91924	37.41	ug		99
57) Toluene	7.851	92	324591	44.78	ug		93
59) Tetrachloroethene	8.564	164	93281	44.77	ug		94
60) 2-Hexanone	8.763	43	55618m	29.07	ug		
62) Chlorobenzene	9.633	112	345998	43.31	ug		99
63) 1,1,1,2-Tetrachloroethane	9.728	133	51897	20.38	ug		96
64) Ethylbenzene	9.775	106	191634	44.43	ug		95

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7753.D
Acq On : 10 Sep 2018 23:43
Operator :
Sample : 180829015-009amsd
Misc : msd e8260w
ALS Vial : 34 Sample Multiplier: 1

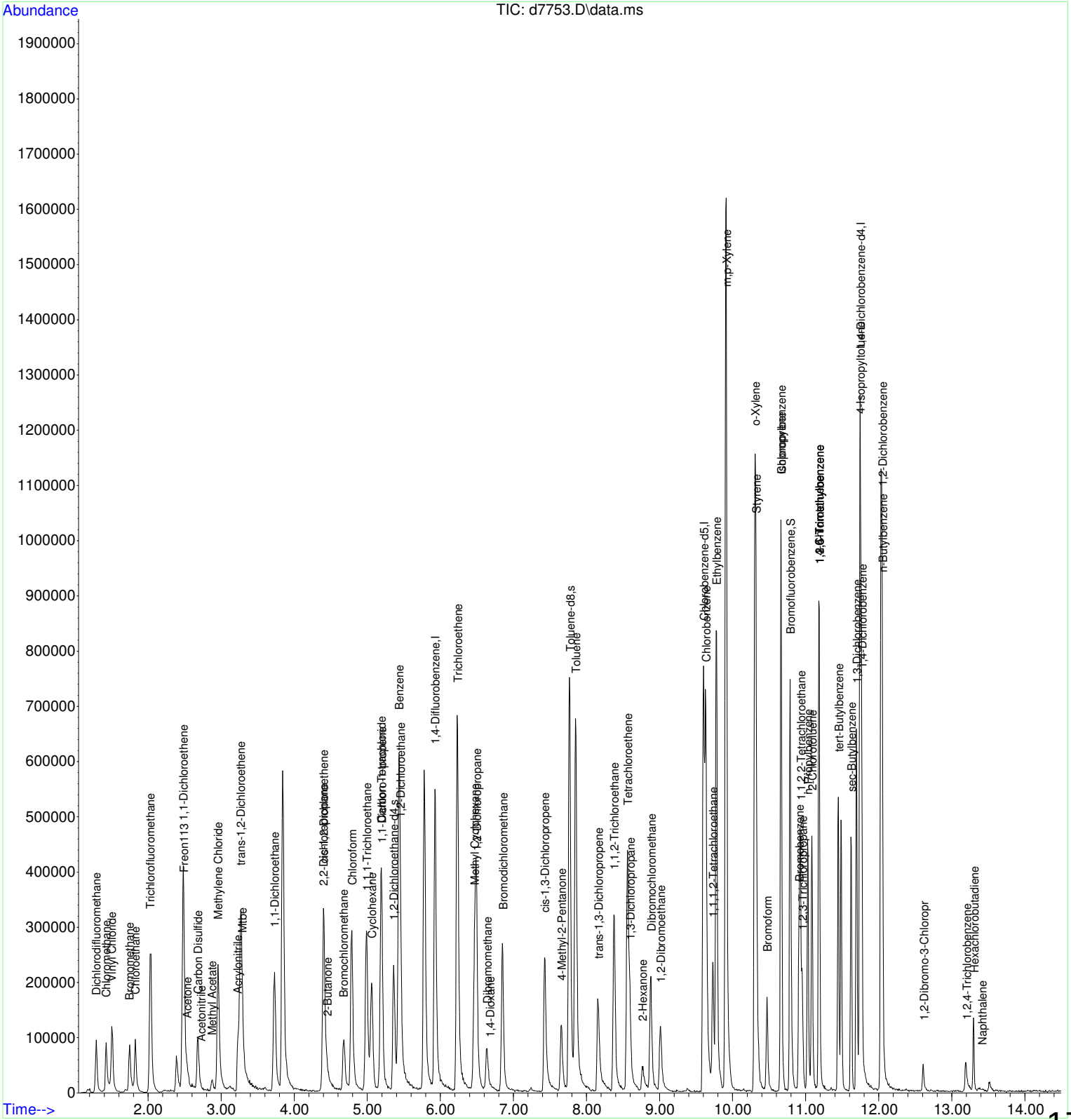
Quant Time: Sep 11 09:32:05 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Tue Sep 11 09:23:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
65) m,p-Xylene	9.911	91	990605	86.46	ug		88
66) o-Xylene	10.304	106	232790	43.20	ug	#	87
67) Styrene	10.320	104	304763	40.32	ug	#	69
68) Isopropylbenzene	10.661	105	558218	41.34	ug		96
69) Chloroprene	10.661	53	7626	18.95	ug	#	19
71) Bromobenzene	10.907	77	105030	20.41	ug	#	71
72) 1,2,3-Trichloropropane	10.954	75	57440	19.53	ug		90
73) 2-Chlorotoluene	11.086	91	204196	20.67	ug		95
74) 4-Chlorotoluene	11.180	91	204402	19.86	ug		93
75) 1,3,5-Trimethylbenzene	11.185	105	245335	20.69	ug		95
76) tert-Butylbenzene	11.447	119	188793	20.30	ug		98
77) 1,2,4-Trimethylbenzene	11.185	105	245335	20.69	ug		96
79) 1,1,2,2-Tetrachloroethane	10.928	83	140936	42.83	ug		94
80) n-Propylbenzene	11.028	91	291126	19.73	ug		97
81) 1,3-Dichlorobenzene	11.694	146	180881	38.13	ug	#	83
82) sec-Butylbenzene	11.620	105	240403	19.06	ug		94
83) 4-Isopropyltoluene	11.741	119	173173	17.84	ug	#	89
84) 1,4-Dichlorobenzene	11.767	146	161739	36.33	ug	#	63
85) 1,2-Dichlorobenzene	12.045	146	167342	39.50	ug	#	75
86) n-Butylbenzene	12.050	91	113138	15.65	ug		90
87) 1,2-Dibromo-3-Chloropr	12.611	157	8894m	29.71	ug		
88) 1,2,4-Trichlorobenzene	13.199	180	20184m	20.80	ug		
89) Hexachlorobutadiene	13.298	225	12325	20.39	ug		96
90) Naphthalene	13.408	128	2499	3.40	ug		95
91) 1,2,3-Trichlorobenzene	13.602	180	537	Below Cal			98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7753.D
Acq On : 10 Sep 2018 23:43
Operator :
Sample : 180829015-009amsd
Misc : msd e8260w
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 11 09:32:05 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Tue Sep 11 09:23:29 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7754.D
Acq On : 11 Sep 2018 00:05
Operator :
Sample : lcsd
Misc : lcsd 93 base voa
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 11 09:32:36 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Tue Sep 11 09:23:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.921	114	427377	50.00	ug		0.03
34) Chlorobenzene-d5	9.602	117	374191	50.00	ug		0.01
61) 1,4-Dichlorobenzene-d4	11.746	152	153467	50.00	ug		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.350	65	173674	48.21	ug		0.03
56) Toluene-d8	7.761	98	539337	51.29	ug		0.02
78) Bromofluorobenzene	10.787	95	199910	46.37	ug		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.270	85	71139	48.93	ug		100
3) Chloromethane	1.406	50	120389	42.26	ug		97
4) Vinyl Chloride	1.494	62	117694	51.10	ug		100
5) Bromomethane	1.727	94	64999	37.22	ug		95
6) Chloroethane	1.805	64	80938	51.74	ug		94
7) Acrolein	2.372	56	68173	157.76	ug		91
8) Trichlorofluoromethane	2.019	101	210714	51.81	ug		95
9) Freon113	2.471	101	42628	20.49	ug		99
10) 1,1-Dichloroethene	2.461	96	114970	53.35	ug		86
12) Carbon Disulfide	2.660	76	133804	22.83	ug		100
13) Acetone	2.518	43	48757m	30.10	ug		
14) Iodomethane	2.602	142	4559	4.38	ug	#	74
15) Acetonitrile	2.781	40	190	1.05	ug		90
16) Methyl Acetate	2.854	43	29582m	15.38	ug		
17) Methylene Chloride	2.938	84	122108	46.37	ug	#	55
18) Acrylonitrile	3.210	53	127139	149.70	ug		97
19) trans-1,2-Dichloroethene	3.247	96	122009	53.32	ug		95
20) Mtbe	3.268	73	114090	21.30	ug		97
21) 1,1-Dichloroethane	3.714	63	236267	53.07	ug		91
23) cis-1,2-Dichloroethene	4.390	61	179531	43.89	ug		100
24) 2,2-Dichloropropane	4.380	77	48199	19.33	ug	#	72
26) Bromochloromethane	4.668	128	30609	25.79	ug	#	64
28) Chloroform	4.778	83	244333	48.87	ug		96
29) Cyclohexane	5.051	84	72137	19.74	ug	#	82
30) 1,1-Dichloro-1-propene	5.187	75	86104	25.32	ug		83
31) 1,2-Dichloroethane	5.444	62	215772	47.89	ug		96
32) 2-Butanone	4.432	43	49976m	37.04	ug		
35) 1,1,1-Trichloroethane	4.983	97	220183	51.15	ug		99
36) Carbon Tetrachloride	5.177	117	160667	51.48	ug		99
37) Benzene	5.423	78	497220	49.72	ug		100
38) Isobutanol	5.397	43	129	1.34	ug	#	1
40) Trichloroethene	6.225	130	130637	50.49	ug		95
41) Methyl Cyclohexane	6.461	83	77377	21.00	ug	#	89
42) 1,2-Dichloropropane	6.477	63	126722	51.18	ug		85
44) Dibromomethane	6.629	174	32020	28.76	ug	#	57
45) 1,4-Dioxane	6.655	88	99	3.69	ug	#	22
47) Bromodichloromethane	6.844	83	181330	51.42	ug		89
48) cis-1,3-Dichloropropene	7.426	75	151890	47.23	ug		95
49) trans-1,3-Dichloropropene	8.155	75	120884	43.69	ug		99
50) 1,1,2-Trichloroethane	8.380	97	114765	48.63	ug		88
51) 1,3-Dichloropropane	8.590	76	91400	23.94	ug	#	75
52) 1,2-Dibromoethane	9.009	107	104526	52.43	ug		94
53) Dibromochloromethane	8.878	129	126704	49.11	ug		87
54) Bromoform	10.467	173	67917	54.97	ug		97
55) 4-Methyl-2-Pentanone	7.651	43	109639	49.74	ug		93
57) Toluene	7.845	92	326482	50.20	ug		91
59) Tetrachloroethene	8.564	164	92621	49.54	ug		93
60) 2-Hexanone	8.763	43	61708	35.95	ug		89

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7754.D
Acq On : 11 Sep 2018 00:05
Operator :
Sample : lcsd
Misc : lcsd 93 base voa
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 11 09:32:36 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Tue Sep 11 09:23:29 2018
Response via : Initial Calibration

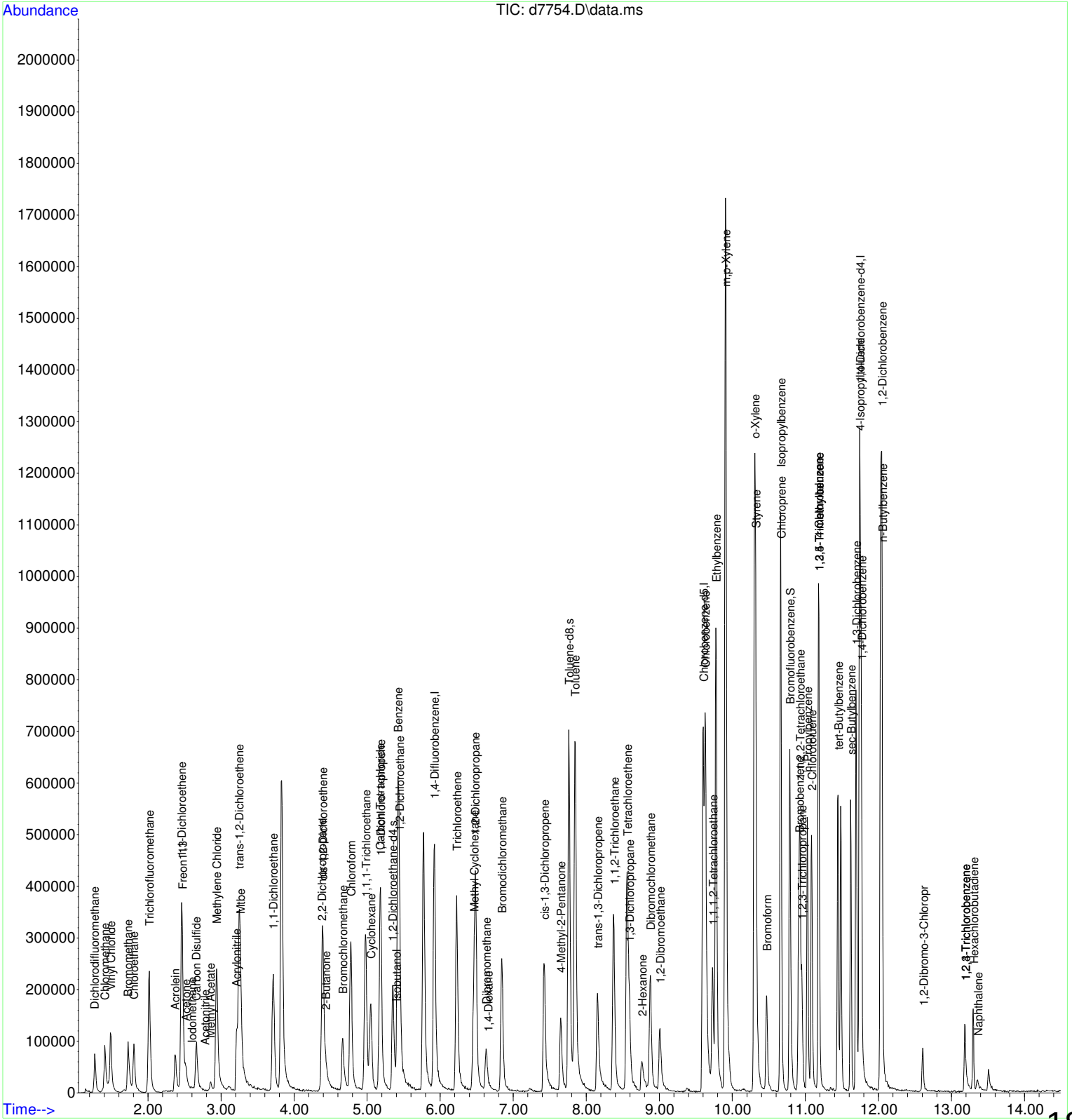
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
62) Chlorobenzene	9.628	112	368242	47.77	ug		96
63) 1,1,1,2-Tetrachloroethane	9.733	133	53926	21.95	ug		96
64) Ethylbenzene	9.775	106	195551	46.99	ug		97
65) m,p-Xylene	9.906	91	1022936	92.53	ug		91
66) o-Xylene	10.304	106	237784	45.73	ug	#	83
67) Styrene	10.320	104	343814	47.14	ug		74
68) Isopropylbenzene	10.661	105	589248	45.23	ug		97
69) Chloroprene	10.666	53	8019	20.65	ug	#	10
71) Bromobenzene	10.912	77	112278	22.61	ug	#	74
72) 1,2,3-Trichloropropane	10.949	75	63450	22.36	ug		91
73) 2-Chlorotoluene	11.086	91	226351	23.75	ug		95
74) 4-Chlorotoluene	11.180	91	226859	22.85	ug		90
75) 1,3,5-Trimethylbenzene	11.185	105	267233	23.35	ug		96
76) tert-Butylbenzene	11.447	119	205661	22.92	ug		99
77) 1,2,4-Trimethylbenzene	11.185	105	267233	23.35	ug		97
79) 1,1,2,2-Tetrachloroethane	10.923	83	150993	47.56	ug		93
80) n-Propylbenzene	11.028	91	319502	22.44	ug		97
81) 1,3-Dichlorobenzene	11.694	146	204214	44.62	ug	#	78
82) sec-Butylbenzene	11.620	105	276762	22.74	ug		96
83) 4-Isopropyltoluene	11.741	119	199478	21.29	ug	#	88
84) 1,4-Dichlorobenzene	11.767	146	198190	46.14	ug	#	66
85) 1,2-Dichlorobenzene	12.045	146	196465	48.06	ug	#	76
86) n-Butylbenzene	12.050	91	158906	22.78	ug	#	84
87) 1,2-Dibromo-3-Chloropr	12.611	157	13666	45.21	ug	#	60
88) 1,2,4-Trichlorobenzene	13.188	180	38868m	38.64	ug		
89) Hexachlorobutadiene	13.298	225	13354	22.81	ug	#	87
90) Naphthalene	13.356	128	16722	11.40	ug		97
91) 1,2,3-Trichlorobenzene	13.188	180	34065	51.11	ug		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091018\
Data File : d7754.D
Acq On : 11 Sep 2018 00:05
Operator :
Sample : lcsd
Misc : lcsd 93 base voa
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 11 09:32:36 2018
Quant Method : C:\msdchem\1\qtmethods\w8260-090718.M
Quant Title : Voa Calibration 8260 Water
QLast Update : Tue Sep 11 09:23:29 2018
Response via : Initial Calibration



Analyst: SMD Standards: B: 175VOA13-18F

Date: 9/7/18

Vial 1 used for samples unless otherwise noted below

A/S Pos.	File ID	Sample ID	DF	pH	QT Method	Review	Upload	QA/QC Checks: Surr Check	QA/QC Checks: IS Check	QA/QC Checks: Res. Cl_2	Comments
B	D7650	BFB									
B	51	BFB - Tune good									12:04
1	52	VStd005	X2	1 ✓	SAVE						
1	53	010	5mL	1 ✓	W3L6L-						
2	54	025	X2	1 ✓	090718						
2	55	050	5mL	1 ✓		✓	✓	450K,	363K,	141K	
3	56	100	X2	1 ✓							
3	57	200	5mL	1 ✓							
B	58	BTC									
B	59	BTC									
B	60	BTC									
4	61	ICS		1	- Rerun						
B	62	SVBLK									
B	63	VBLK									
5	64	VBLK		1		✓	✓	OK	OK		
6	65	0827G15-18A		1		✓	✓	OK	OK		8 below
7	66	-7A		1		✓	✓	OK	OK		
8	67	-6A		1		✓	✓	OK	OK		
9	68	-9A		1		✓	✓	OK	OK		
10	69	-10A		1		✓	✓	OK	OK		
11	70	-2A		1		✓	✓	OK	OK		
12	71	-3A		1	Rundup	✓		✓↑✓	OK		
13	72	-4A		1		✓	✓	OK	OK		
14	73	-5A		1	Rundup	✓		✓↑✓	OK		
15	74	-8A		1		✓	✓	OK	OK		
16	75	-13A		1		✓	✓	OK	OK		
17	76	-17B	↓	1		✓	✓	OK	OK		
18	77	-1A	X2	1	Rest						
19	78	-12A	↓	1	Rest						
20	79	-11A	X100	1		✓	✓	OK	OK		
21	80	-9AMS	5mL	1	Rerun			OK	OK		
22	81	-9AMSD	↓	1		✓	✓	OK	OK		
23	82	ICS		1		✓	✓	OK	OK		

REVIEW _____ DATE _____

Analyst: SMD Standards: 3 BFB VOA 13-18F

Date: 9/10/18

Vial 1 used for samples unless otherwise noted below

A/S Pos.	File ID	Sample ID	DF	pH	QT Method	Review	Upload	QA/QC Checks: Surr Check	QA/QC Checks: IS Check	QA/QC Checks: Res. Cl_2	Comments
B1	D7715	BFB									
12	16	LCS-W25605			5S260-	✓	✓	435K, 370K, 178K			
3	17	LCSD-W25605			083118	✓	✓	✓↑✓	OK		
4	18	VBLK									
5	19	VBLK									
6	20	MB-W25605				✓	✓	OK	OK		
7	21	C907095-1A	4.62			✓	✓	✓✓↑	✓✓↓		C5S1605
8	22	-1AMS	4.34g			✓	✓	✓✓↑	✓✓↓		
9	23	-2A	4.27g			✓	✓	✓✓↑	✓✓↓		
10	24	-3A	5.06g			✓	✓	✓✓↑	✓✓↓		
11	25	-1AMS	3.93g			✓	✓	✓✓↑	OK		
B2	26	BFB - tune good				✓	✓✓				13:58
B	27	BFB									
12	28	VSTD50						409K	353K	131K	
13	29	LCS	5mL	1	W5260-	✓	✓✓	420K, 368K, 150K			
B14	30	~~VBLK~~ VSTD50		1	090718	✓	✓✓	OK	OK		
B	31	VBLK									
B	32	VBLK									
B	33	VBLK									
15	34	VBLK		1		✓	✓✓	OK	OK		
16	35	C909015-3A		1		✓	✓	OK	OK		C5S1605
17	36	-5A		1		✓	✓	OK	OK		
18	37	-1A	↓	1		✓	✓	OK	OK		
19	38	C909015-10A	x5	1		✓	✓	✓↑✓	OK		
20	39	C905032-1 #	5mL	1		✓	✓	OK	OK		93 base VOA
21	40	-2H		1		✓	✓	OK	OK		
22	41	-3H		1		✓	✓	OK	OK		
23	42	-4H		1		✓	✓	OK	OK		
24	43	-5A		1		✓	✓	OK	OK		
25	44	-6H		1		✓	✓	OK	OK		
26	45	-7H		1		✓	✓	OK	OK		
27	46	-8H	↓	1	↓	✓	✓	OK	OK		↓

REVIEW _____ DATE _____

Analyst: SMD Standards: BTEXVOA13-15F

Date: 9/10/18

Vial 1 used for samples unless otherwise noted below

A/S Pos.	File ID	Sample ID	DF	pH	QT Method	Review	Upload	QA/QC Checks: Surr Check	QA/QC Checks: IS Check	QA/QC Checks: Res. Cl_2	Comments
28	D7747	0905032-9H	5ML	1	W8260-	✓	✓	ok	ok		BTEX observed
29	48	-10H	↓	1	090718	✓	✓	ok	ok		↓
30	49	-11H		1	↓	✓	✓	ok	ok		
31	50	-12H		1		✓	✓	ok	ok		
32	01	-13H		1		✓	✓	ok	ok		
33	52	-14A		1		✓	✓	ok	ok		
34	53	0827015-9AMSD		1		✓	✓	ok	ok		below
35	54	ICSD		1	↓	✓	✓✓	ok	ok		
B	55	BFB									
B	56	↓ - Time good	↓								CCV 48
36	57	ICS			Fixed	✓	✓	425K	297K	115K	
37	58	ICSD			W8260907/18	✓	✓	ok	ok		
B	59	VBLK									
B	60	VBLK									
38	61	VBLK				✓	✓	ok	ok		
39	62	0907075-4B				✓	✓	ok	ok		60 1/60 2
40	63	0907063-2D				✓	✓	ok	ok		60 24
41	64	0907058-2A				✓	✓	✓✓	ok		↓
42	65	0906024-10A				✓	✓	ok	ok		
43	66	0906081-2B			Rerun			✓✓	ok		↓
44	67	0910048-1A				✓	✓	ok	ok		below
45	68	0910029-1D			Rerun			✓✓			↓
46	69	0910048-1AMS				✓	✓	ok	ok		
46	70	-1AMSD				✓	✓	ok	ok		
B	71	BTC									

REVIEW _____ DATE _____

Adirondack Environmental Services, Inc

Date: *11-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-1R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 11:22:00 AM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-014
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***97.7***	5.00		µg/L	1	9/11/2018 11:59:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 1:30:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-015
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***ND***	5.00		µg/L	1	9/11/2018 12:27:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	MW-4R 082818
Work Order:	180829015	**Collection Date:**	8/28/2018 12:35:00 PM
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-016
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***ND***	5.00		µg/L	1	9/11/2018 12:31:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Sep-18*

CLIENT:	AECOM Environment	**Client Sample ID:**	DUP 082818
Work Order:	180829015	**Collection Date:**	8/28/2018
Reference:	Ward Products Amsterdam /	**Lab Sample ID:**	180829015-017
PO#:	85949	**Matrix:**	GROUNDWATER
	Project# : 60532721-700		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS - EPA 200.7						Analyst: **KH**
(Prep: SW3010A - 9/5/2018)						
Chromium	***78.6***	5.00		µg/L	1	9/11/2018 12:36:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

PDS

SeqNo: **2475277** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **180829015-014** ***(MW-1R 082818)*** ***PrepRef:(SW3010A)*** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	515.9	5.00	400	97.74	105	75	125	0	0		

SD

SeqNo: **2475278** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **180829015-014** ***(MW-1R 082818)*** ***PrepRef:(SW3010A)*** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	59.02	25.0	0	0	0	0	0	97.74	49.4	0	

MBLK

SeqNo: **2475272** ***PrepDate:9/5/2018 1*** TestNo: **E200.7** RunNo: ***163098***
Samp ID: **MB-62483** ***PrepRef:(SW3010A)*** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	5.00									

LCS

SeqNo: **2475273** ***PrepDate:9/5/2018 1*** TestNo: **E200.7** RunNo: ***163098***
Samp ID: **LCS-62483** ***PrepRef:(SW3010A)*** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2005	5.00	2000	0	100	80	120	0	0		

MS

SeqNo: **2475276** ***PrepDate:9/5/2018 1*** TestNo: **E200.7** RunNo: ***163098***
Samp ID: **180829015-014** ***(MW-1R 082818)*** ***PrepRef:(SW3010A)*** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	309	5.00	200	97.74	106	75	125	0	0		

DUP

SeqNo: **2475275** ***PrepDate:9/5/2018 1*** TestNo: **E200.7** RunNo: ***163098***
Samp ID: **180829015-014** ***PrepRef:*** Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	90.02	5.00	0	0	0	0	0	97.74	8.22	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCB

SeqNo: **2475271** | ***PrepDate:*** | TestNo: **E200.7** | RunNo: ***163098***
Samp ID: **CCB-1** | ***PrepRef:*** | Units: **µg/L** | Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0		
Antimony	ND	60.0	0	0	0	0	0	0	0		
Arsenic	ND	10.0	0	0	0	0	0	0	0		
Barium	ND	200	0	0	0	0	0	0	0		
Beryllium	ND	5.00	0	0	0	0	0	0	0		
Boron	ND	50.0	0	0	0	0	0	0	0		
Cadmium	ND	5.00	0	0	0	0	0	0	0		
Calcium	ND	5000	0	0	0	0	0	0	0		
Chromium	ND	5.00	0	0	0	0	0	0	0		
Cobalt	ND	50.0	0	0	0	0	0	0	0		
Copper	ND	25.0	0	0	0	0	0	0	0		
Iron	ND	100	0	0	0	0	0	0	0		
Lead	ND	3.00	0	0	0	0	0	0	0		
Lithium	ND	100	0	0	0	0	0	0	0		
Magnesium	ND	5000	0	0	0	0	0	0	0		
Manganese	ND	15.0	0	0	0	0	0	0	0		
Molybdenum	ND	50.0	0	0	0	0	0	0	0		
Nickel	ND	40.0	0	0	0	0	0	0	0		
Potassium	ND	5000	0	0	0	0	0	0	0		
Selenium	ND	5.00	0	0	0	0	0	0	0		
Silver	ND	10.0	0	0	0	0	0	0	0		
Sodium	ND	5000	0	0	0	0	0	0	0		
Strontium	ND	20.0	0	0	0	0	0	0	0		
Thallium	ND	10.0	0	0	0	0	0	0	0		
Tin	ND	50.0	0	0	0	0	0	0	0		
Titanium	ND	50.0	0	0	0	0	0	0	0		
Vanadium	ND	50.0	0	0	0	0	0	0	0		
Zinc	ND	20.0	0	0	0	0	0	0	0		

CCB

SeqNo: **2475283** | ***PrepDate:*** | TestNo: **E200.7** | RunNo: ***163098***
Samp ID: **CCB-2** | ***PrepRef:*** | Units: **µg/L** | Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCB

SeqNo: **2475283** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-2** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0		
Antimony	ND	60.0	0	0	0	0	0	0	0		
Arsenic	ND	10.0	0	0	0	0	0	0	0		
Barium	ND	200	0	0	0	0	0	0	0		
Beryllium	ND	5.00	0	0	0	0	0	0	0		
Boron	ND	50.0	0	0	0	0	0	0	0		
Cadmium	ND	5.00	0	0	0	0	0	0	0		
Calcium	ND	5000	0	0	0	0	0	0	0		
Chromium	ND	5.00	0	0	0	0	0	0	0		
Cobalt	ND	50.0	0	0	0	0	0	0	0		
Copper	ND	25.0	0	0	0	0	0	0	0		
Iron	ND	100	0	0	0	0	0	0	0		
Lead	ND	3.00	0	0	0	0	0	0	0		
Lithium	ND	100	0	0	0	0	0	0	0		
Magnesium	ND	5000	0	0	0	0	0	0	0		
Manganese	ND	15.0	0	0	0	0	0	0	0		
Molybdenum	ND	50.0	0	0	0	0	0	0	0		
Nickel	ND	40.0	0	0	0	0	0	0	0		
Potassium	ND	5000	0	0	0	0	0	0	0		
Selenium	ND	5.00	0	0	0	0	0	0	0		
Silver	ND	10.0	0	0	0	0	0	0	0		
Sodium	ND	5000	0	0	0	0	0	0	0		
Strontium	ND	20.0	0	0	0	0	0	0	0		
Thallium	ND	10.0	0	0	0	0	0	0	0		
Tin	ND	50.0	0	0	0	0	0	0	0		
Titanium	ND	50.0	0	0	0	0	0	0	0		
Vanadium	ND	50.0	0	0	0	0	0	0	0		
Zinc	ND	20.0	0	0	0	0	0	0	0		

CCB

SeqNo: **2475630** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-3** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCB

SeqNo: **2475630** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-3** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0		
Antimony	ND	60.0	0	0	0	0	0	0	0		
Arsenic	ND	10.0	0	0	0	0	0	0	0		
Barium	ND	200	0	0	0	0	0	0	0		
Beryllium	ND	5.00	0	0	0	0	0	0	0		
Boron	ND	50.0	0	0	0	0	0	0	0		
Cadmium	ND	5.00	0	0	0	0	0	0	0		
Calcium	ND	5000	0	0	0	0	0	0	0		
Chromium	ND	10.0	0	0	0	0	0	0	0		
Cobalt	ND	50.0	0	0	0	0	0	0	0		
Copper	ND	25.0	0	0	0	0	0	0	0		
Iron	ND	100	0	0	0	0	0	0	0		
Lead	ND	3.00	0	0	0	0	0	0	0		
Lithium	ND	100	0	0	0	0	0	0	0		
Magnesium	ND	5000	0	0	0	0	0	0	0		
Manganese	ND	15.0	0	0	0	0	0	0	0		
Molybdenum	ND	50.0	0	0	0	0	0	0	0		
Nickel	ND	40.0	0	0	0	0	0	0	0		
Potassium	ND	5000	0	0	0	0	0	0	0		
Selenium	ND	5.00	0	0	0	0	0	0	0		
Silver	ND	10.0	0	0	0	0	0	0	0		
Sodium	ND	5000	0	0	0	0	0	0	0		
Strontium	ND	20.0	0	0	0	0	0	0	0		
Thallium	ND	10.0	0	0	0	0	0	0	0		
Tin	ND	50.0	0	0	0	0	0	0	0		
Titanium	ND	50.0	0	0	0	0	0	0	0		
Vanadium	ND	50.0	0	0	0	0	0	0	0		
Zinc	ND	20.0	0	0	0	0	0	0	0		

CCB

SeqNo: **2475642** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-4** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCB

SeqNo: **2475642** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-4** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0		
Antimony	ND	60.0	0	0	0	0	0	0	0		
Arsenic	ND	10.0	0	0	0	0	0	0	0		
Barium	ND	200	0	0	0	0	0	0	0		
Beryllium	ND	5.00	0	0	0	0	0	0	0		
Boron	ND	50.0	0	0	0	0	0	0	0		
Cadmium	ND	5.00	0	0	0	0	0	0	0		
Calcium	ND	5000	0	0	0	0	0	0	0		
Chromium	ND	10.0	0	0	0	0	0	0	0		
Cobalt	ND	50.0	0	0	0	0	0	0	0		
Copper	ND	25.0	0	0	0	0	0	0	0		
Iron	ND	100	0	0	0	0	0	0	0		
Lead	ND	3.00	0	0	0	0	0	0	0		
Lithium	ND	100	0	0	0	0	0	0	0		
Magnesium	ND	5000	0	0	0	0	0	0	0		
Manganese	ND	15.0	0	0	0	0	0	0	0		
Molybdenum	ND	50.0	0	0	0	0	0	0	0		
Nickel	ND	40.0	0	0	0	0	0	0	0		
Potassium	ND	5000	0	0	0	0	0	0	0		
Selenium	ND	5.00	0	0	0	0	0	0	0		
Silver	ND	10.0	0	0	0	0	0	0	0		
Sodium	ND	5000	0	0	0	0	0	0	0		
Strontium	ND	20.0	0	0	0	0	0	0	0		
Thallium	ND	10.0	0	0	0	0	0	0	0		
Tin	ND	50.0	0	0	0	0	0	0	0		
Titanium	ND	50.0	0	0	0	0	0	0	0		
Vanadium	ND	50.0	0	0	0	0	0	0	0		
Zinc	ND	20.0	0	0	0	0	0	0	0		

CCB

SeqNo: **2475652** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-5** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCB

SeqNo: **2475652** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-5** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0		
Antimony	ND	60.0	0	0	0	0	0	0	0		
Arsenic	ND	10.0	0	0	0	0	0	0	0		
Barium	ND	200	0	0	0	0	0	0	0		
Beryllium	ND	5.00	0	0	0	0	0	0	0		
Boron	ND	50.0	0	0	0	0	0	0	0		
Cadmium	ND	5.00	0	0	0	0	0	0	0		
Calcium	ND	5000	0	0	0	0	0	0	0		
Chromium	ND	10.0	0	0	0	0	0	0	0		
Cobalt	ND	50.0	0	0	0	0	0	0	0		
Copper	ND	25.0	0	0	0	0	0	0	0		
Iron	ND	100	0	0	0	0	0	0	0		
Lead	ND	3.00	0	0	0	0	0	0	0		
Lithium	ND	100	0	0	0	0	0	0	0		
Magnesium	ND	5000	0	0	0	0	0	0	0		
Manganese	ND	15.0	0	0	0	0	0	0	0		
Molybdenum	ND	50.0	0	0	0	0	0	0	0		
Nickel	ND	40.0	0	0	0	0	0	0	0		
Potassium	ND	5000	0	0	0	0	0	0	0		
Selenium	ND	5.00	0	0	0	0	0	0	0		
Silver	ND	10.0	0	0	0	0	0	0	0		
Sodium	ND	5000	0	0	0	0	0	0	0		
Strontium	ND	20.0	0	0	0	0	0	0	0		
Thallium	ND	10.0	0	0	0	0	0	0	0		
Tin	ND	50.0	0	0	0	0	0	0	0		
Titanium	ND	50.0	0	0	0	0	0	0	0		
Vanadium	ND	50.0	0	0	0	0	0	0	0		
Zinc	ND	20.0	0	0	0	0	0	0	0		

CCB

SeqNo: **2475658** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-6** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCB

SeqNo: **2475658** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCB-6** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0		
Antimony	ND	60.0	0	0	0	0	0	0	0		
Arsenic	ND	10.0	0	0	0	0	0	0	0		
Barium	ND	200	0	0	0	0	0	0	0		
Beryllium	ND	5.00	0	0	0	0	0	0	0		
Boron	ND	50.0	0	0	0	0	0	0	0		
Cadmium	ND	5.00	0	0	0	0	0	0	0		
Calcium	ND	5000	0	0	0	0	0	0	0		
Chromium	ND	10.0	0	0	0	0	0	0	0		
Cobalt	ND	50.0	0	0	0	0	0	0	0		
Copper	ND	25.0	0	0	0	0	0	0	0		
Iron	ND	100	0	0	0	0	0	0	0		
Lead	ND	3.00	0	0	0	0	0	0	0		
Lithium	ND	100	0	0	0	0	0	0	0		
Magnesium	ND	5000	0	0	0	0	0	0	0		
Manganese	ND	15.0	0	0	0	0	0	0	0		
Molybdenum	ND	50.0	0	0	0	0	0	0	0		
Nickel	ND	40.0	0	0	0	0	0	0	0		
Potassium	ND	5000	0	0	0	0	0	0	0		
Selenium	ND	5.00	0	0	0	0	0	0	0		
Silver	ND	10.0	0	0	0	0	0	0	0		
Sodium	ND	5000	0	0	0	0	0	0	0		
Strontium	ND	20.0	0	0	0	0	0	0	0		
Thallium	ND	10.0	0	0	0	0	0	0	0		
Tin	ND	50.0	0	0	0	0	0	0	0		
Titanium	ND	50.0	0	0	0	0	0	0	0		
Vanadium	ND	50.0	0	0	0	0	0	0	0		
Zinc	ND	20.0	0	0	0	0	0	0	0		

CCV

SeqNo: **2475270** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCV

SeqNo: **2475270** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2009	200	2000	0	100	90	110	0	0		
Antimony	2022	60.0	2000	0	101	90	110	0	0		
Arsenic	1981	10.0	2000	0	99	90	110	0	0		
Barium	2085	200	2000	0	104	90	110	0	0		
Beryllium	2043	5.00	2000	0	102	90	110	0	0		
Boron	2104	50.0	2000	0	105	90	110	0	0		
Cadmium	2012	5.00	2000	0	101	90	110	0	0		
Calcium	ND	5000	2000	0	99.9	90	110	0	0		
Chromium	1952	5.00	2000	0	97.6	90	110	0	0		
Cobalt	2024	50.0	2000	0	101	90	110	0	0		
Copper	2142	25.0	2000	0	107	90	110	0	0		
Iron	2070	100	2000	0	104	90	110	0	0		
Lead	2094	3.00	2000	0	105	90	110	0	0		
Lithium	1969	100	2000	0	98.4	90	110	0	0		
Magnesium	ND	5000	2000	0	99.1	90	110	0	0		
Manganese	2004	15.0	2000	0	100	90	110	0	0		
Molybdenum	2054	50.0	2000	0	103	90	110	0	0		
Nickel	2044	40.0	2000	0	102	90	110	0	0		
Potassium	9456	5000	10000	0	94.6	90	110	0	0		
Selenium	1971	5.00	2000	0	98.5	90	110	0	0		
Silver	493.9	10.0	500	0	98.8	90	110	0	0		
Sodium	ND	5000	2000	0	96.5	90	110	0	0		
Strontium	2085	20.0	2000	0	104	90	110	0	0		
Thallium	2097	10.0	2000	0	105	90	110	0	0		
Tin	2022	50.0	2000	0	101	90	110	0	0		
Titanium	ND	50.0	0	0	0	90	110	0	0		
Vanadium	2012	50.0	2000	0	101	90	110	0	0		
Zinc	2036	20.0	2000	0	102	90	110	0	0		

CCV

SeqNo: **2475282** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-2** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCV

SeqNo: **2475282** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-2** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2009	200	2000	0	100	90	110	0	0		
Antimony	2026	60.0	2000	0	101	90	110	0	0		
Arsenic	1973	10.0	2000	0	98.7	90	110	0	0		
Barium	2094	200	2000	0	105	90	110	0	0		
Beryllium	2055	5.00	2000	0	103	90	110	0	0		
Boron	2104	50.0	2000	0	105	90	110	0	0		
Cadmium	2049	5.00	2000	0	102	90	110	0	0		
Calcium	ND	5000	2000	0	101	90	110	0	0		
Chromium	1978	5.00	2000	0	98.9	90	110	0	0		
Cobalt	2045	50.0	2000	0	102	90	110	0	0		
Copper	2144	25.0	2000	0	107	90	110	0	0		
Iron	2065	100	2000	0	103	90	110	0	0		
Lead	2114	3.00	2000	0	106	90	110	0	0		
Lithium	1990	100	2000	0	99.5	90	110	0	0		
Magnesium	ND	5000	2000	0	98.7	90	110	0	0		
Manganese	2011	15.0	2000	0	101	90	110	0	0		
Molybdenum	2086	50.0	2000	0	104	90	110	0	0		
Nickel	2057	40.0	2000	0	103	90	110	0	0		
Potassium	9562	5000	10000	0	95.6	90	110	0	0		
Selenium	1970	5.00	2000	0	98.5	90	110	0	0		
Silver	499.2	10.0	500	0	99.8	90	110	0	0		
Sodium	ND	5000	2000	0	96.9	90	110	0	0		
Strontium	2094	20.0	2000	0	105	90	110	0	0		
Thallium	2087	10.0	2000	0	104	90	110	0	0		
Tin	2041	50.0	2000	0	102	90	110	0	0		
Titanium	ND	50.0	0	0	0	90	110	0	0		
Vanadium	2021	50.0	2000	0	101	90	110	0	0		
Zinc	2060	20.0	2000	0	103	90	110	0	0		

CCV

SeqNo: **2475629** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-3** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCV

SeqNo: **2475629** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-3** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1986	200	2000	0	99.3	90	110	0	0		
Antimony	1987	60.0	2000	0	99.3	90	110	0	0		
Arsenic	1946	10.0	2000	0	97.3	90	110	0	0		
Barium	2075	200	2000	0	104	90	110	0	0		
Beryllium	2035	5.00	2000	0	102	90	110	0	0		
Boron	2086	50.0	2000	0	104	90	110	0	0		
Cadmium	2002	5.00	2000	0	100	90	110	0	0		
Calcium	ND	5000	2000	0	99.9	90	110	0	0		
Chromium	1940	10.0	2000	0	97	90	110	0	0		
Cobalt	2007	50.0	2000	0	100	90	110	0	0		
Copper	2138	25.0	2000	0	107	90	110	0	0		
Iron	2033	100	2000	0	102	90	110	0	0		
Lead	2077	3.00	2000	0	104	90	110	0	0		
Lithium	1953	100	2000	0	97.7	90	110	0	0		
Magnesium	ND	5000	2000	0	99.6	90	110	0	0		
Manganese	2003	15.0	2000	0	100	90	110	0	0		
Molybdenum	2054	50.0	2000	0	103	90	110	0	0		
Nickel	2030	40.0	2000	0	102	90	110	0	0		
Potassium	9472	5000	10000	0	94.7	90	110	0	0		
Selenium	1963	5.00	2000	0	98.1	90	110	0	0		
Silver	504	10.0	500	0	101	90	110	0	0		
Sodium	ND	5000	2000	0	95.1	90	110	0	0		
Strontium	2075	20.0	2000	0	104	90	110	0	0		
Thallium	2074	10.0	2000	0	104	90	110	0	0		
Tin	2031	50.0	2000	0	102	90	110	0	0		
Titanium	ND	50.0	0	0	0	90	110	0	0		
Vanadium	2011	50.0	2000	0	101	90	110	0	0		
Zinc	2027	20.0	2000	0	101	90	110	0	0		

CCV

SeqNo: **2475641** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-4** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCV

SeqNo: **2475641** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-4** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1988	200	2000	0	99.4	90	110	0	0		
Antimony	2008	60.0	2000	0	100	90	110	0	0		
Arsenic	1965	10.0	2000	0	98.2	90	110	0	0		
Barium	2084	200	2000	0	104	90	110	0	0		
Beryllium	2048	5.00	2000	0	102	90	110	0	0		
Boron	2094	50.0	2000	0	105	90	110	0	0		
Cadmium	2024	5.00	2000	0	101	90	110	0	0		
Calcium	ND	5000	2000	0	101	90	110	0	0		
Chromium	1964	10.0	2000	0	98.2	90	110	0	0		
Cobalt	2028	50.0	2000	0	101	90	110	0	0		
Copper	2138	25.0	2000	0	107	90	110	0	0		
Iron	2051	100	2000	0	103	90	110	0	0		
Lead	2099	3.00	2000	0	105	90	110	0	0		
Lithium	1975	100	2000	0	98.8	90	110	0	0		
Magnesium	ND	5000	2000	0	100	90	110	0	0		
Manganese	2009	15.0	2000	0	100	90	110	0	0		
Molybdenum	2069	50.0	2000	0	103	90	110	0	0		
Nickel	2047	40.0	2000	0	102	90	110	0	0		
Potassium	9529	5000	10000	0	95.3	90	110	0	0		
Selenium	1967	5.00	2000	0	98.3	90	110	0	0		
Silver	498.5	10.0	500	0	99.7	90	110	0	0		
Sodium	ND	5000	2000	0	97.4	90	110	0	0		
Strontium	2080	20.0	2000	0	104	90	110	0	0		
Thallium	2086	10.0	2000	0	104	90	110	0	0		
Tin	2040	50.0	2000	0	102	90	110	0	0		
Titanium	ND	50.0	0	0	0	90	110	0	0		
Vanadium	2021	50.0	2000	0	101	90	110	0	0		
Zinc	2042	20.0	2000	0	102	90	110	0	0		

CCV

SeqNo: **2475651** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-5** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCV

SeqNo: **2475651** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-5** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2027	200	2000	0	101	90	110	0	0		
Antimony	2029	60.0	2000	0	101	90	110	0	0		
Arsenic	1974	10.0	2000	0	98.7	90	110	0	0		
Barium	2099	200	2000	0	105	90	110	0	0		
Beryllium	2056	5.00	2000	0	103	90	110	0	0		
Boron	2110	50.0	2000	0	105	90	110	0	0		
Cadmium	2040	5.00	2000	0	102	90	110	0	0		
Calcium	ND	5000	2000	0	101	90	110	0	0		
Chromium	1970	10.0	2000	0	98.5	90	110	0	0		
Cobalt	2041	50.0	2000	0	102	90	110	0	0		
Copper	2150	25.0	2000	0	108	90	110	0	0		
Iron	2059	100	2000	0	103	90	110	0	0		
Lead	2104	3.00	2000	0	105	90	110	0	0		
Lithium	1995	100	2000	0	99.8	90	110	0	0		
Magnesium	ND	5000	2000	0	99.8	90	110	0	0		
Manganese	2015	15.0	2000	0	101	90	110	0	0		
Molybdenum	2077	50.0	2000	0	104	90	110	0	0		
Nickel	2055	40.0	2000	0	103	90	110	0	0		
Potassium	9634	5000	10000	0	96.3	90	110	0	0		
Selenium	1960	5.00	2000	0	98	90	110	0	0		
Silver	498.7	10.0	500	0	99.7	90	110	0	0		
Sodium	ND	5000	2000	0	98.1	90	110	0	0		
Strontium	2081	20.0	2000	0	104	90	110	0	0		
Thallium	2099	10.0	2000	0	105	90	110	0	0		
Tin	2036	50.0	2000	0	102	90	110	0	0		
Titanium	ND	50.0	0	0	0	90	110	0	0		
Vanadium	2021	50.0	2000	0	101	90	110	0	0		
Zinc	2054	20.0	2000	0	103	90	110	0	0		

CCV

SeqNo: **2475657** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-6** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CCV

SeqNo: **2475657** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CCV-6** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1976	200	2000	0	98.8	90	110	0	0		
Antimony	2002	60.0	2000	0	100	90	110	0	0		
Arsenic	1950	10.0	2000	0	97.5	90	110	0	0		
Barium	2060	200	2000	0	103	90	110	0	0		
Beryllium	2018	5.00	2000	0	101	90	110	0	0		
Boron	2078	50.0	2000	0	104	90	110	0	0		
Cadmium	2007	5.00	2000	0	100	90	110	0	0		
Calcium	ND	5000	2000	0	99.3	90	110	0	0		
Chromium	1937	10.0	2000	0	96.9	90	110	0	0		
Cobalt	2002	50.0	2000	0	100	90	110	0	0		
Copper	2110	25.0	2000	0	105	90	110	0	0		
Iron	2036	100	2000	0	102	90	110	0	0		
Lead	2065	3.00	2000	0	103	90	110	0	0		
Lithium	1950	100	2000	0	97.5	90	110	0	0		
Magnesium	ND	5000	2000	0	98.2	90	110	0	0		
Manganese	1972	15.0	2000	0	98.6	90	110	0	0		
Molybdenum	2038	50.0	2000	0	102	90	110	0	0		
Nickel	2015	40.0	2000	0	101	90	110	0	0		
Potassium	9388	5000	10000	0	93.9	90	110	0	0		
Selenium	1931	5.00	2000	0	96.5	90	110	0	0		
Silver	491.4	10.0	500	0	98.3	90	110	0	0		
Sodium	ND	5000	2000	0	94.2	90	110	0	0		
Strontium	2056	20.0	2000	0	103	90	110	0	0		
Thallium	2061	10.0	2000	0	103	90	110	0	0		
Tin	1990	50.0	2000	0	99.5	90	110	0	0		
Titanium	ND	50.0	0	0	0	90	110	0	0		
Vanadium	1983	50.0	2000	0	99.1	90	110	0	0		
Zinc	2019	20.0	2000	0	101	90	110	0	0		

CRI

SeqNo: **2475267** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CRI-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

CRI

SeqNo: **2475267** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CRI-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	16.48	5.00	20	0	82.4	50	150	0	0		

CRI

SeqNo: **2475654** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **CRI-2** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	20.31	10.0	20	0	102	50	150	0	0		

ICB

SeqNo: **2475266** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **ICB-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	5.00	0	0	0	0	0	0	0		

ICV

SeqNo: **2475265** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **ICV-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1945	5.00	2000	0	97.2	90	110	0	0		

ICSA

SeqNo: **2475268** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **ICSA-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	5.00	0	0	0	80	120	0	0		

ICSA

SeqNo: **2475655** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **ICSA-2** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	10.0	0	0	0	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AECOM Environment
Work Order: 180829015
Project: Ward Products Amsterdam

ANALYTICAL QC SUMMARY REPORT

BatchID: 62483

ICSAB

SeqNo: **2475269** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **ICSAB-1** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	584.2	5.00	500	0	117	80	120	0	0		

ICSAB

SeqNo: **2475656** *PrepDate:* TestNo: **E200.7** RunNo: ***163098***
Samp ID: **ICSAB-2** *PrepRef:* Units: **µg/L** Analysis Date: **9/11/2018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	579.2	10.0	500	0	116	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Adirondack Environmental Services, Inc

Date: 05-Sep-18

Test Code: CLPW
Test Number: E200.7
Test Name: ICP Metals Water
Matrix: Water **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Updated: 09-Aug-18

Type	Analyte	MDL	PQL
A	Aluminum	20.7	200
A	Antimony	2.5	60
A	Arsenic	2.7	10
A	Barium	2.5	200
A	Beryllium	2.4	5
A	Boron	7.6	50
A	Cadmium	2.1	5
A	Calcium	34.6	5000
A	Chromium	4.2	10
A	Cobalt	2.1	50
A	Copper	4.6	25
A	Iron	19.9	100
A	Lead	2.5	3
A	Lithium	21.2	100
A	Magnesium	25.6	5000
A	Manganese	2	15
A	Molybdenum	2.6	50
A	Nickel	2.1	40
A	Potassium	42	5000
A	Selenium	3.4	5
A	Silver	3.7	10
A	Sodium	202.6	5000
A	Strontium	6.9	20
A	Thallium	7.8	10
A	Tin	6.6	50
A	Titanium	0	50
A	Vanadium	4.4	50
A	Zinc	4.9	20

Sample Report

Report Author
Printed: 9/13/2018 12:16 pm

Blank

Acquire Date: 11-Sep-2018 10:31 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	-3.2252	Cts/S	.1002	3.1057
Ag	-.17894	Cts/S	.04511	25.211
Al	-.22611	Cts/S	.08829	39.046
As	.04197	Cts/S	.00873	20.797
Au	.20861	Cts/S	.01571	7.5313
B_	.02901	Cts/S	.03491	120.36
Ba	10.634	Cts/S	.065	.61023
Be	2.8798	Cts/S	.0470	1.6313
Ca	-.02774	Cts/S	.02747	98.997
Cd	.01173	Cts/S	.01135	96.762
Co	.00309	Cts/S	.00698	226.27
Cr	-.17548	Cts/S	.08337	47.510
Cu	.59128	Cts/S	.01518	2.5677
Fe	.25224	Cts/S	.02558	10.141
K_	.51326	Cts/S	.21189	41.283
Li	-74.979	Cts/S	2.040	2.7204
Mg	-.10820	Cts/S	.07847	72.526
Mn	-.05277	Cts/S	.00655	12.405
Mo	-.00463	Cts/S	.01178	254.56
Na	-126.97	Cts/S	3.91	3.0771
Ni	.03580	Cts/S	.00087	2.4383
Pb	-.00895	Cts/S	.01702	190.19
Pd	-.11791	Cts/S	.00197	1.6674
Sb	.01790	Cts/S	.00611	34.136
Se	.03364	Cts/S	.00546	16.218
Si	.23027	Cts/S	.01176	5.1080
Sn	-.01296	Cts/S	.00436	33.672
Sr	.07699	Cts/S	.05591	72.619
Ti	-.16923	Cts/S	.04708	27.817
Tl	-.01234	Cts/S	.01397	113.14
V_	.04578	Cts/S	.03923	85.708
Zn	.01882	Cts/S	.01353	71.870
Zr	-.72272	Cts/S	.03338	4.6181

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

Ag - 1ppm

Acquire Date: 11-Sep-2018 10:34 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ag	23.475	Cts/S	.210	.89337

200.7-6

Acquire Date: 11-Sep-2018 10:39 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
As	14.483	Cts/S	.049	.33528
Cr	23.974	Cts/S	.145	.60513
Li	39.407	Cts/S	3.523	8.9398
Se	11.603	Cts/S	.044	.37788
Si	33.267	Cts/S	.371	1.1159
Sn	35.445	Cts/S	.010	.02794
V_	18.783	Cts/S	.340	1.8075

200.7-1

Acquire Date: 11-Sep-2018 10:44 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1410.4	Cts/S	10.1	.71875
Al	86.113	Cts/S	.701	.81457
Ca	98.086	Cts/S	.531	.54101
K_	429.24	Cts/S	2.16	.50260
Mg	65.906	Cts/S	.323	.49014
Na	2632.6	Cts/S	24.1	.91643
Ni	591.09	Cts/S	4.63	.78377
Zn	1510.7	Cts/S	11.3	.74653

200.7-2

Acquire Date: 11-Sep-2018 10:48 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ba	1002.2	Cts/S	2.0	.20381
Be	1020.5	Cts/S	.1	.01381
Co	348.88	Cts/S	3.08	.88405
Cu	33.640	Cts/S	.103	.30571
Fe	2999.0	Cts/S	33.1	1.1027
Mn	1090.2	Cts/S	12.1	1.1081
Sr	111.33	Cts/S	.03	.02512

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

200.7-3

Acquire Date: 11-Sep-2018 10:52 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
B_	18.864	Cts/S	.003	.01505
Cd	117.92	Cts/S	.68	.58048
Pb	17.801	Cts/S	.094	.53014
Tl	6.0846	Cts/S	.0067	.11083

200.7-4

Acquire Date: 11-Sep-2018 10:55 am Sample Type: Calib. Std.

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Mo	675.56	Cts/S	.22	.03207
Sb	123.34	Cts/S	.52	.41965
Ti	548.66	Cts/S	.31	.05719

ICV-1

Acquire Date: 11-Sep-2018 11:13 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1918.7	ppb	32.4	1.6868
Ag	490.23	ppb	8.34	1.7009
Al	1983.9	ppb	22.9	1.1555
As	1952.0	ppb	13.2	.67716
Au	.84250	ppb	.51112	60.668
B_	2084.6	ppb	12.9	.62097
Ba	2072.6	ppb	28.1	1.3580
Be	2027.3	ppb	22.6	1.1169
Ca	1997.1	ppb	13.0	.64954
Cd	2009.8	ppb	9.3	.46310
Co	2006.3	ppb	12.4	.61869
Cr	1944.9	ppb	28.6	1.4690
Cu	2079.4	ppb	30.4	1.4631
Fe	2027.1	ppb	8.8	.43320
K_	9426.2	ppb	103.0	1.0923
Li	1971.8	ppb	63.6	3.2232
Mg	1982.4	ppb	42.2	2.1274
Mn	1978.5	ppb	12.1	.60990
Mo	2040.7	ppb	11.0	.53995
Na	1909.5	ppb	30.7	1.6085
Ni	2019.1	ppb	10.7	.53228
Pb	2068.8	ppb	14.1	.68047

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

ICV-1

Acquire Date: 11-Sep-2018 11:13 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Pd	<.00000	ppb	17.682	58.316
Sb	2009.5	ppb	6.2	.30769
Se	1933.0	ppb	10.3	.53383
Si	4767.5	ppb	84.3	1.7674
Sn	1995.9	ppb	12.0	.60031
Sr	2058.4	ppb	16.2	.78685
Ti	.70769	ppb	.42891	60.607
Tl	2068.0	ppb	12.5	.60517
V_	1998.7	ppb	23.9	1.1956
Zn	2023.2	ppb	8.5	.41793
Zr	<.00000	ppb	.27652	45.279

ICB-1

Acquire Date: 11-Sep-2018 11:19 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	2.5805	ppb	.1110	4.3011
Ag	4.6012	ppb	2.0224	43.953
Al	13.496	ppb	.227	1.6838
As	.42716	ppb	.60472	141.57
Au	.25407	ppb	.01918	7.5505
B_	1.4909	ppb	.4957	33.251
Ba	.44328	ppb	.96177	216.96
Be	.05186	ppb	.06940	133.83
Ca	<.00000	ppb	7.7981	501.40
Cd	.04056	ppb	.02035	50.173
Co	.12206	ppb	.02252	18.452
Cr	2.5557	ppb	2.3152	90.591
Cu	<.00000	ppb	2.16698	232.06
Fe	.11894	ppb	.09921	83.410
K_	5.5977	ppb	.2288	4.0867
Li	10.550	ppb	12.122	114.90
Mg	13.238	ppb	30.015	226.73
Mn	.01755	ppb	.00760	43.324
Mo	.53442	ppb	.29713	55.597
Na	9.6794	ppb	11.5529	119.36
Ni	.14613	ppb	.05904	40.405
Pb	<.00000	ppb	.56434	116.25
Pd	13.754	ppb	11.052	80.356
Sb	.97565	ppb	.17680	18.121

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

ICB-1

Acquire Date: 11-Sep-2018 11:19 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Se	2.6960	ppb	2.7959	103.70
Si	26.455	ppb	10.095	38.160
Sn	.13928	ppb	.04920	35.325
Sr	4.8006	ppb	7.4059	154.27
Ti	1.0868	ppb	.1072	9.8669
Tl	.25317	ppb	1.21672	480.59
V_	.81374	ppb	3.55978	437.46
Zn	.06157	ppb	.01010	16.412
Zr	<.00000	ppb	.9673	43.511

CRI-1

Acquire Date: 11-Sep-2018 11:25 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	6.5453	ppb	2.5255	38.585
Ag	19.880	ppb	1.735	8.7275
Al	21.529	ppb	1.591	7.3880
As	17.948	ppb	.966	5.3842
Au	<.00000	ppb	.01904	47.006
B_	.98949	ppb	.08344	8.4327
Ba	.15179	ppb	.32128	211.66
Be	9.9242	ppb	.0229	.23082
Ca	8.3417	ppb	11.3970	136.63
Cd	9.5244	ppb	.2052	2.1539
Co	93.666	ppb	1.976	2.1100
Cr	16.485	ppb	9.261	56.176
Cu	50.621	ppb	1.794	3.5444
Fe	4.2644	ppb	.0040	.09362
K_	7.5387	ppb	8.3733	111.07
Li	1.6288	ppb	3.3110	203.28
Mg	<.00000	ppb	23.477	203.14
Mn	28.326	ppb	.526	1.8570
Mo	.68057	ppb	.09042	13.285
Na	45.533	ppb	5.044	11.079
Ni	76.274	ppb	1.305	1.7107
Pb	5.7346	ppb	.4418	7.7042
Pd	14.379	ppb	10.168	70.713
Sb	113.50	ppb	.99	.87030
Se	11.988	ppb	.737	6.1457
Si	26.034	ppb	17.813	68.423

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CRI-1

Acquire Date: 11-Sep-2018 11:25 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Sn	.83550	ppb	.29537	35.353
Sr	<.00000	ppb	10.4034	451.02
Ti	.75826	ppb	2.50210	329.98
Tl	19.080	ppb	.501	2.6235
V_	90.540	ppb	3.038	3.3554
Zn	39.909	ppb	.685	1.7174
Zr	1.2946	ppb	2.0033	154.75

ICSA-1

Acquire Date: 11-Sep-2018 11:31 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	41.773	ppb	2.163	5.1782
Ag	<.00000	ppb	1.524	2.9379
Al	497050.	ppb	2,307	.46408
As	<.00000	ppb	.42	.32223
Au	161.59	ppb	1.41	.87367
B_	<.00000	ppb	2.34	.99832
Ba	1.4755	ppb	.4287	29.052
Be	2.3839	ppb	.0178	.74737
Ca	424130.	ppb	1,431	.33735
Cd	<.00000	ppb	.03514	6.0888
Co	<.00000	ppb	.06756	29.604
Cr	<.00000	ppb	.5517	5.5291
Cu	<.00000	ppb	.536	1.9055
Fe	125340.	ppb	1,038	.82795
K_	<.00000	ppb	.7768	72.693
Li	<.00000	ppb	231.2	10.565
Mg	516480.	ppb	1,516	.29352
Mn	<.00000	ppb	.038	.27814
Mo	<.00000	ppb	.1549	5.1930
Na	43.191	ppb	6.668	15.438
Ni	<.00000	ppb	.123	.69900
Pb	<.00000	ppb	.896	1.1166
Pd	.93955	ppb	3.53863	376.63
Sb	1.1586	ppb	.2050	17.691
Se	<.00000	ppb	.914	2.3397
Si	15.531	ppb	18.415	118.57
Sn	2.9766	ppb	.0738	2.4776
Sr	15.646	ppb	3.348	21.398

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

ICSA-1

Acquire Date: 11-Sep-2018 11:31 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ti	<.00000	ppb	.752	5.1402
Tl	<.00000	ppb	1.504	11.297
V_	<.00000	ppb	2.5880	27.069
Zn	<.00000	ppb	.199	1.0403
Zr	<.00000	ppb	.8622	49.059

ICSAB-1

Acquire Date: 11-Sep-2018 11:35 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	36.789	ppb	.250	.68054
Ag	1001.7	ppb	4.7	.46599
Al	505940.	ppb	4,740	.93679
As	<.00000	ppb	5.44	3.9955
Au	170.31	ppb	.77	.45346
B_	<.00000	ppb	.39	.15834
Ba	520.35	ppb	3.92	.75382
Be	500.20	ppb	5.29	1.0581
Ca	432380.	ppb	4,398	1.0171
Cd	899.07	ppb	.92	.10197
Co	484.63	ppb	.95	.19644
Cr	584.16	ppb	13.97	2.3920
Cu	567.83	ppb	6.96	1.2265
Fe	126690.	ppb	1,292	1.0202
K_	<.00000	ppb	3.9348	81.070
Li	<.00000	ppb	239.3	11.411
Mg	525180.	ppb	3,411	.64957
Mn	481.83	ppb	.68	.14082
Mo	<.00000	ppb	.0259	.75329
Na	46.583	ppb	9.978	21.419
Ni	895.62	ppb	2.63	.29354
Pb	883.21	ppb	.73	.08311
Pd	<.00000	ppb	12.822	58.598
Sb	6.8771	ppb	1.0494	15.260
Se	<.00000	ppb	3.254	8.1265
Si	18.054	ppb	4.153	23.003
Sn	1.9668	ppb	.9107	46.303
Sr	28.490	ppb	7.055	24.761
Ti	<.00000	ppb	1.288	7.2365
Tl	<.00000	ppb	2.434	11.846

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

ICSAB-1

Acquire Date: 11-Sep-2018 11:35 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
V_	468.01	ppb	6.09	1.3005
Zn	865.02	ppb	1.54	.17815
Zr	<.00000	ppb	1.58953	224.44

CCV-1

Acquire Date: 11-Sep-2018 11:39 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1926.6	ppb	9.4	.49014
Ag	493.90	ppb	6.33	1.2825
Al	2008.7	ppb	5.9	.29278
As	1980.9	ppb	5.2	.26316
Au	.52122	ppb	.51094	98.028
B_	2104.4	ppb	.1	.00329
Ba	2084.8	ppb	11.3	.53977
Be	2042.7	ppb	8.4	.40925
Ca	1997.4	ppb	2.8	.14147
Cd	2012.4	ppb	8.1	.40072
Co	2024.2	ppb	6.5	.32196
Cr	1951.8	ppb	1.8	.09282
Cu	2141.8	ppb	14.4	.67069
Fe	2070.5	ppb	26.9	1.2996
K_	9455.9	ppb	41.7	.44067
Li	1968.6	ppb	37.9	1.9228
Mg	1981.7	ppb	17.5	.88341
Mn	2004.1	ppb	3.1	.15622
Mo	2053.5	ppb	2.1	.10390
Na	1929.3	ppb	.1	.00658
Ni	2043.7	ppb	6.5	.31799
Pb	2093.5	ppb	9.3	.44657
Pd	<.00000	ppb	9.726	61.014
Sb	2021.8	ppb	11.6	.57133
Se	1970.5	ppb	4.6	.23169
Si	4731.1	ppb	16.6	.35007
Sn	2022.1	ppb	7.5	.36961
Sr	2085.3	ppb	11.4	.54827
Ti	<.00000	ppb	1.75135	277.25
Tl	2096.7	ppb	12.9	.61522
V_	2011.8	ppb	18.6	.92493
Zn	2036.2	ppb	6.7	.32720

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCV-1

Acquire Date: 11-Sep-2018 11:39 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Zr	<.00000	ppb	.82883	199.94

CCB-1

Acquire Date: 11-Sep-2018 11:44 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	<.00000	ppb	1.88659	393.02
Ag	2.0933	ppb	.4148	19.817
Al	5.9456	ppb	4.9980	84.062
As	.29912	ppb	1.38936	464.49
Au	<.00000	ppb	.11300	70.376
B_	1.0617	ppb	.1852	17.443
Ba	.10004	ppb	1.08927	1,088.9
Be	.05171	ppb	.01166	22.542
Ca	1.8380	ppb	4.1988	228.44
Cd	<.00000	ppb	.03331	424.10
Co	.14507	ppb	.08508	58.650
Cr	.08636	ppb	6.37714	7,384.3
Cu	.38755	ppb	3.56170	919.02
Fe	.08349	ppb	.00133	1.5911
K_	3.9791	ppb	.9604	24.136
Li	8.6811	ppb	1.4637	16.861
Mg	13.870	ppb	32.688	235.68
Mn	.00991	ppb	.00560	56.519
Mo	.25122	ppb	.28422	113.14
Na	19.578	ppb	2.148	10.974
Ni	.02087	ppb	.01483	71.049
Pb	<.00000	ppb	.73434	184.07
Pd	8.4410	ppb	22.1024	261.85
Sb	.77568	ppb	.17729	22.856
Se	<.00000	ppb	2.16099	235.77
Si	16.373	ppb	6.534	39.910
Sn	<.00000	ppb	.22166	141.48
Sr	4.0520	ppb	5.4076	133.45
Ti	<.00000	ppb	.67923	206.77
Tl	.96158	ppb	1.50333	156.34
V_	<.00000	ppb	3.4546	91.492
Zn	.03606	ppb	.07497	207.89
Zr	<.00000	ppb	1.20858	412.97

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

MB-W

Acquire Date: 11-Sep-2018 11:49 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	<.00000	ppb	2.0405	83.161
Ag	2.7922	ppb	2.7433	98.251
Al	2.7310	ppb	15.9058	582.42
As	<.00000	ppb	.84700	198.23
Au	.24090	ppb	.03712	15.407
B_	.26216	ppb	.13911	53.064
Ba	<.00000	ppb	.53561	1,794.7
Be	.00550	ppb	.03080	559.86
Ca	<.00000	ppb	5.5985	141.42
Cd	<.00000	ppb	.02036	518.98
Co	.12029	ppb	.06002	49.898
Cr	1.0911	ppb	5.2802	483.96
Cu	2.3509	ppb	2.6560	112.98
Fe	.07849	ppb	.07746	98.689
K_	2.1355	ppb	6.4059	299.97
Li	<.00000	ppb	4.34774	2,103.4
Mg	<.00000	ppb	10.6980	212.13
Mn	<.00000	ppb	.00559	26.348
Mo	.00913	ppb	.03231	353.77
Na	17.762	ppb	5.590	31.472
Ni	<.00000	ppb	.14402	87.557
Pb	<.00000	ppb	1.20080	182.44
Pd	8.4397	ppb	5.3053	62.861
Sb	.45046	ppb	.77865	172.86
Se	1.6537	ppb	.5078	30.704
Si	26.455	ppb	13.660	51.634
Sn	.27852	ppb	.29533	106.03
Sr	<.00000	ppb	3.17409	727.73
Ti	2.2242	ppb	1.8588	83.571
Tl	.10120	ppb	.14346	141.75
V_	.51820	ppb	2.61643	504.90
Zn	.02575	ppb	.03218	124.96
Zr	<.00000	ppb	.20703	56.475

LCS-W

Acquire Date: 11-Sep-2018 11:54 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

LCS-W

Acquire Date: 11-Sep-2018 11:54 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1885.9	ppb	103.3	5.4752
Ag	488.34	ppb	1.38	.28159
Al	2023.1	ppb	21.1	1.0425
As	1912.4	ppb	27.4	1.4346
Au	.36070	ppb	.20815	57.707
B_	2041.9	ppb	31.3	1.5352
Ba	2082.7	ppb	10.9	.52468
Be	2085.8	ppb	15.7	.75072
Ca	2117.6	ppb	32.3	1.5275
Cd	1933.4	ppb	28.2	1.4575
Co	1959.5	ppb	31.2	1.5914
Cr	2004.6	ppb	10.2	.51053
Cu	2088.2	ppb	10.2	.48969
Fe	2036.6	ppb	26.1	1.2805
K_	9703.5	ppb	38.4	.39592
Li	1975.7	ppb	52.6	2.6602
Mg	1945.8	ppb	4.7	.24232
Mn	1982.6	ppb	32.5	1.6369
Mo	2072.9	ppb	25.2	1.2136
Na	1772.3	ppb	88.3	4.9831
Ni	1995.8	ppb	31.5	1.5801
Pb	2026.1	ppb	31.2	1.5379
Pd	<.00000	ppb	11.495	54.885
Sb	1938.8	ppb	26.4	1.3632
Se	1849.2	ppb	27.3	1.4762
Si	9857.4	ppb	124.5	1.2630
Sn	1967.0	ppb	29.3	1.4890
Sr	2075.8	ppb	13.4	.64352
Ti	1.9967	ppb	1.1796	59.076
Tl	1972.9	ppb	29.6	1.4982
V_	2004.1	ppb	21.9	1.0949
Zn	1930.4	ppb	27.7	1.4349
Zr	<.00000	ppb	.86385	884.61

180829015-014A

Acquire Date: 11-Sep-2018 11:59 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	12009.	ppb	86	.71202
Ag	.74518	ppb	.39631	53.183

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-014A

Acquire Date: 11-Sep-2018 11:59 am Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Al	<.00000	ppb	15.113	23.905
As	<.00000	ppb	.4836	47.144
Au	<.00000	ppb	.2838	13.863
B_	345.18	ppb	.20	.05901
Ba	74.609	ppb	1.031	1.3813
Be	.18569	ppb	.09577	51.574
Ca	82360.	ppb	695	.84379
Cd	.38472	ppb	.00370	.96047
Co	.36619	ppb	.08255	22.544
Cr	97.736	ppb	2.263	2.3151
Cu	28.175	ppb	.379	1.3438
Fe	374.66	ppb	.55	.14672
K_	4948.2	ppb	22.3	.45031
Li	<.00000	ppb	47.22	6.3362
Mg	16535.	ppb	199	1.2014
Mn	25.140	ppb	.038	.15146
Mo	1.5211	ppb	.1034	6.7964
Na	11612.	ppb	127	1.0932
Ni	4.3493	ppb	.0148	.33984
Pb	<.00000	ppb	.1525	12.369
Pd	20.949	ppb	.877	4.1876
Sb	1.8775	ppb	.2476	13.187
Se	<.00000	ppb	.7880	60.056
Si	8128.7	ppb	78.2	.96240
Sn	.19148	ppb	.46770	244.25
Sr	301.92	ppb	1.22	.40394
Ti	4.4469	ppb	.7128	16.029
Tl	.70862	ppb	.57265	80.812
V_	3.9239	ppb	6.7038	170.85
Zn	33.073	ppb	.153	.46209
Zr	3.0851	ppb	1.0115	32.787

180829015-014ADP

Acquire Date: 11-Sep-2018 12:02 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	4952.2	ppb	38.7	.78182
Ag	1.7908	ppb	.9313	52.005
Al	<.00000	ppb	8.632	10.273
As	<.00000	ppb	1.1483	107.51

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-014ADP

Acquire Date: 11-Sep-2018 12:02 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Au	<.00000	ppb	.4920	21.887
B_	291.83	ppb	.29	.09968
Ba	62.484	ppb	.376	.60174
Be	.10498	ppb	.13297	126.66
Ca	79879.	ppb	113	.14091
Cd	.39261	ppb	.02222	5.6608
Co	.41577	ppb	.00252	.60548
Cr	90.020	ppb	2.476	2.7510
Cu	25.122	ppb	1.559	6.2039
Fe	453.08	ppb	1.16	.25566
K_	4458.9	ppb	11.6	.26095
Li	<.00000	ppb	21.24	3.0297
Mg	16052.	ppb	40	.24614
Mn	36.513	ppb	.049	.13352
Mo	1.4116	ppb	.0775	5.4887
Na	4899.8	ppb	34.2	.69715
Ni	4.4674	ppb	.0924	2.0693
Pb	<.00000	ppb	.88341	396.87
Pd	18.443	ppb	15.915	86.293
Sb	1.3025	ppb	.5663	43.475
Se	<.00000	ppb	.45768	74.911
Si	7822.3	ppb	24.2	.30948
Sn	<.00000	ppb	.09843	20.192
Sr	296.06	ppb	9.53	3.2179
Ti	5.7122	ppb	.6435	11.265
Tl	3.9987	ppb	1.2169	30.432
V_	1.4487	ppb	2.6702	184.32
Zn	30.450	ppb	.022	.07286
Zr	<.00000	ppb	.6561	55.956

180829015-014AMS

Acquire Date: 11-Sep-2018 12:06 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	5068.4	ppb	19.9	.39320
Ag	51.320	ppb	.795	1.5498
Al	2121.4	ppb	11.5	.54214
As	36.920	ppb	.242	.65442
Au	<.00000	ppb	.6055	29.002
B_	303.90	ppb	.40	.13293

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-014AMS

Acquire Date: 11-Sep-2018 12:06 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ba	2175.8	ppb	15.2	.69781
Be	54.335	ppb	.500	.92048
Ca	82646.	ppb	736	.89034
Cd	48.687	ppb	.128	.26252
Co	482.34	ppb	1.79	.37057
Cr	309.04	ppb	.93	.30200
Cu	307.13	ppb	1.23	.39999
Fe	1613.8	ppb	6.8	.42417
K_	4628.3	ppb	16.5	.35757
Li	<.00000	ppb	63.08	8.9289
Mg	16653.	ppb	102	.61070
Mn	525.42	ppb	1.31	.24878
Mo	1.7584	ppb	.1034	5.8775
Na	5047.0	ppb	11.9	.23640
Ni	488.97	ppb	1.78	.36490
Pb	18.958	ppb	1.645	8.6766
Pd	3.4481	ppb	3.5509	102.98
Sb	494.55	ppb	.89	.17912
Se	8.3211	ppb	3.4822	41.848
Si	8299.5	ppb	50.6	.60989
Sn	<.00000	ppb	.34458	76.165
Sr	307.51	ppb	3.21	1.0448
Ti	6.4445	ppb	2.5390	39.398
Tl	43.777	ppb	.501	1.1442
V_	524.18	ppb	2.20	.41940
Zn	534.99	ppb	1.88	.35150
Zr	<.00000	ppb	.95748	127.57

180829015-014AA

Acquire Date: 11-Sep-2018 12:11 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	4850.6	ppb	34.3	.70740
Ag	100.00	ppb	1.83	1.8325
Al	4118.3	ppb	26.1	.63488
As	78.712	ppb	2.296	2.9171
Au	<.00000	ppb	.1135	9.4226
B_	296.02	ppb	.28	.09357
Ba	4325.2	ppb	21.8	.50412
Be	111.33	ppb	.89	.79820

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-014AA

Acquire Date: 11-Sep-2018 12:11 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ca	80292.	ppb	523	.65149
Cd	99.645	ppb	.073	.07277
Co	993.89	ppb	1.00	.10094
Cr	515.90	ppb	.38	.07368
Cu	590.46	ppb	4.66	.78877
Fe	2430.5	ppb	.2	.00928
K_	4415.8	ppb	20.5	.46525
Li	<.00000	ppb	59.87	8.9205
Mg	15986.	ppb	58	.36480
Mn	1046.6	ppb	1.6	.15372
Mo	2.3659	ppb	.0710	3.0028
Na	4833.6	ppb	33.9	.70038
Ni	1004.3	ppb	1.9	.19152
Pb	39.665	ppb	.051	.12794
Pd	4.3764	ppb	8.4004	191.95
Sb	1022.2	ppb	1.9	.18655
Se	19.069	ppb	5.871	30.790
Si	7748.2	ppb	61.9	.79952
Sn	.41780	ppb	.63995	153.17
Sr	294.31	ppb	.34	.11456
Ti	2.7298	ppb	.8578	31.426
Tl	88.110	ppb	.787	.89319
V_	1057.5	ppb	4.3	.40556
Zn	1049.4	ppb	.0	.00292
Zr	1.3191	ppb	2.5913	196.44

180829015-014AL

Acquire Date: 11-Sep-2018 12:18 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	741.49	ppb	.51	.06850
Ag	.57297	ppb	.51282	89.503
Al	<.00000	ppb	3.71	3.2551
As	<.00000	ppb	.7251	65.254
Au	<.00000	ppb	.15124	40.363
B_	59.916	ppb	.294	.49106
Ba	11.923	ppb	.467	3.9185
Be	.14259	ppb	.00618	4.3334
Ca	16039.	ppb	7	.04140
Cd	<.00000	ppb	.05367	241.23

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-014AL

Acquire Date: 11-Sep-2018 12:18 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Co	.21936	ppb	.04004	18.252
Cr	11.803	ppb	2.477	20.990
Cu	7.3748	ppb	.3427	4.6473
Fe	78.205	ppb	.738	.94332
K_	756.27	ppb	.47	.06269
Li	<.00000	ppb	23.03	19.360
Mg	3105.5	ppb	19.8	.63744
Mn	5.3121	ppb	.0490	.92309
Mo	.45223	ppb	.05169	11.431
Na	716.20	ppb	7.03	.98225
Ni	1.0472	ppb	.0184	1.7590
Pb	<.00000	ppb	.00066	.08566
Pd	14.699	ppb	3.540	24.087
Sb	.25165	ppb	.77856	309.38
Se	<.00000	ppb	.83895	95.252
Si	1563.5	ppb	16.3	1.0405
Sn	<.00000	ppb	.09842	20.194
Sr	54.882	ppb	6.664	12.143
Ti	1.7446	ppb	.9652	55.324
Tl	1.0123	ppb	1.8610	183.84
V_	1.7405	ppb	6.9543	399.55
Zn	7.3075	ppb	.1105	1.5119
Zr	<.00000	ppb	.51094	75.672

180829015-015A

Acquire Date: 11-Sep-2018 12:27 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	8820.9	ppb	22.4	.25418
Ag	4.1701	ppb	.5543	13.291
Al	<.00000	ppb	13.67	4.4459
As	.93934	ppb	.48339	51.461
Au	<.00000	ppb	.3785	27.187
B_	1082.0	ppb	5.6	.51920
Ba	43.196	ppb	.548	1.2678
Be	.04475	ppb	.05820	130.06
Ca	85522.	ppb	284	.33169
Cd	.16354	ppb	.00555	3.3955
Co	1.2046	ppb	.0375	3.1140
Cr	<.00000	ppb	2.6362	40.176

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-015A

Acquire Date: 11-Sep-2018 12:27 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Cu	3.3812	ppb	1.6351	48.358
Fe	1299.1	ppb	7.1	.54377
K_	1364.1	ppb	9.7	.71440
Li	<.00000	ppb	43.29	5.4249
Mg	18134.	ppb	65	.35818
Mn	102.38	ppb	.90	.88018
Mo	.49328	ppb	.13565	27.499
Na	8708.9	ppb	35.2	.40431
Ni	1.2957	ppb	.0147	1.1348
Pb	<.00000	ppb	.0270	1.8509
Pd	19.696	ppb	19.441	98.707
Sb	.75420	ppb	.63710	84.473
Se	<.00000	ppb	1.0930	23.661
Si	7719.6	ppb	37.5	.48598
Sn	.05231	ppb	.51687	988.06
Sr	287.79	ppb	.14	.04729
Ti	<.00000	ppb	.2495	17.978
Tl	<.00000	ppb	.14312	23.576
V_	<.00000	ppb	3.24239	562.27
Zn	35.022	ppb	.074	.21080
Zr	<.00000	ppb	.0020	.11129

180829015-016A

Acquire Date: 11-Sep-2018 12:31 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	141620.	ppb	528	.37313
Ag	2.0627	ppb	3.8390	186.11
Al	<.00000	ppb	1.41	.50079
As	.46922	ppb	.42285	90.118
Au	<.00000	ppb	.1514	4.8351
B_	26973.	ppb	133	.49303
Ba	15.950	ppb	.219	1.3707
Be	.11430	ppb	.03486	30.501
Ca	64612.	ppb	264	.40794
Cd	.02747	ppb	.02036	74.104
Co	.09198	ppb	.06004	65.276
Cr	<.00000	ppb	5.2118	158.78
Cu	.86751	ppb	2.97194	342.58
Fe	46.117	ppb	.113	.24472

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-016A

Acquire Date: 11-Sep-2018 12:31 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
K_	4567.5	ppb	2.9	.06369
Li	<.00000	ppb	3.5	.34587
Mg	23049.	ppb	65	.28131
Mn	467.91	ppb	2.03	.43463
Mo	2.2745	ppb	.0194	.85453
Na	111850.	ppb	974	.87100
Ni	1.5018	ppb	.1070	7.1253
Pb	<.00000	ppb	.9082	59.311
Pd	14.062	ppb	1.761	12.526
Sb	<.00000	ppb	.67230	936.39
Se	<.00000	ppb	.6608	23.567
Si	7728.3	ppb	3.6	.04654
Sn	.53963	ppb	.31998	59.296
Sr	371.02	ppb	2.59	.69905
Ti	<.00000	ppb	.46271	96.094
Tl	<.00000	ppb	1.004	1.4715
V_	<.00000	ppb	2.9833	166.03
Zn	25.888	ppb	.049	.18760
Zr	.45953	ppb	.89106	193.91

180829015-017A

Acquire Date: 11-Sep-2018 12:36 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	4901.1	ppb	53.2	1.0863
Ag	1.2587	ppb	4.5424	360.89
Al	<.00000	ppb	3.87	1.5720
As	<.00000	ppb	.12016	35.099
Au	<.00000	ppb	.1133	4.5507
B_	331.63	ppb	18.76	5.6556
Ba	62.425	ppb	.572	.91656
Be	.12531	ppb	.12711	101.43
Ca	80591.	ppb	217	.26956
Cd	.42787	ppb	.00179	.41802
Co	.33255	ppb	.15005	45.122
Cr	78.605	ppb	5.237	6.6620
Cu	26.934	ppb	.888	3.2983
Fe	63.372	ppb	.062	.09813
K_	4487.2	ppb	18.5	.41141
Li	<.00000	ppb	20.03	2.8730

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

180829015-017A

Acquire Date: 11-Sep-2018 12:36 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Mg	16279.	ppb	5	.03044
Mn	18.896	ppb	.009	.04682
Mo	.38368	ppb	.07101	18.509
Na	4835.9	ppb	40.0	.82675
Ni	4.0260	ppb	.0670	1.6648
Pb	<.00000	ppb	.68594	574.85
Pd	20.944	ppb	5.304	25.327
Sb	1.0539	ppb	.6373	60.474
Se	.50291	ppb	2.23643	444.70
Si	7693.9	ppb	6.8	.08832
Sn	<.00000	ppb	.14783	42.473
Sr	302.28	ppb	7.07	2.3376
Ti	.25280	ppb	1.64433	650.45
Tl	3.6441	ppb	.0002	.00576
V_	5.7517	ppb	2.9831	51.865
Zn	28.272	ppb	.040	.14198
Zr	.19583	ppb	.38050	194.30

CCV-2

Acquire Date: 11-Sep-2018 12:45 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1954.6	ppb	12.4	.63548
Ag	499.23	ppb	.45	.09013
Al	2008.9	ppb	12.8	.63630
As	1973.3	ppb	7.9	.40125
Au	.80223	ppb	.22707	28.305
B_	2104.3	ppb	3.0	.14474
Ba	2094.4	ppb	20.4	.97278
Be	2054.7	ppb	19.5	.94800
Ca	2018.4	ppb	2.8	.14011
Cd	2048.6	ppb	1.1	.05391
Co	2044.9	ppb	.9	.04215
Cr	1977.9	ppb	19.8	1.0018
Cu	2143.7	ppb	16.7	.77989
Fe	2065.0	ppb	.8	.03927
K_	9561.5	ppb	62.9	.65802
Li	1989.6	ppb	68.8	3.4591
Mg	1974.7	ppb	10.5	.53332
Mn	2011.0	ppb	10.0	.49578

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCV-2

Acquire Date: 11-Sep-2018 12:45 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Mo	2085.7	ppb	4.1	.19886
Na	1937.7	ppb	12.0	.62127
Ni	2056.6	ppb	2.8	.13778
Pb	2113.7	ppb	2.1	.09732
Pd	<.00000	ppb	7.070	61.136
Sb	2025.6	ppb	4.7	.23414
Se	1969.9	ppb	5.1	.26057
Si	4784.0	ppb	82.7	1.7291
Sn	2041.1	ppb	7.9	.38822
Sr	2094.5	ppb	4.6	.21878
Ti	.55606	ppb	2.64519	475.70
Tl	2087.0	ppb	5.7	.27428
V_	2020.8	ppb	18.3	.90327
Zn	2060.0	ppb	1.2	.05714
Zr	<.00000	ppb	2.7300	223.64

CCB-2

Acquire Date: 11-Sep-2018 12:52 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	10.402	ppb	4.510	43.360
Ag	1.9039	ppb	1.2183	63.991
Al	11.408	ppb	9.089	79.670
As	<.00000	ppb	.18136	32.663
Au	.00031	ppb	.37850	123,740
B_	5.2957	ppb	1.3996	26.428
Ba	.50410	ppb	.63720	126.40
Be	.06941	ppb	.07526	108.42
Ca	.98982	ppb	.19989	20.195
Cd	.15181	ppb	.21098	138.98
Co	.11146	ppb	.09758	87.545
Cr	<.00000	ppb	5.5233	143.54
Cu	.19881	ppb	.44554	224.11
Fe	.07306	ppb	.03319	45.424
K_	5.9526	ppb	2.0137	33.829
Li	10.198	ppb	9.999	98.047
Mg	<.00000	ppb	17.531	81.008
Mn	.09058	ppb	.09568	105.63
Mo	.99131	ppb	.47807	48.227
Na	23.150	ppb	13.602	58.754

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCB-2

Acquire Date: 11-Sep-2018 12:52 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ni	.02609	ppb	.12550	481.06
Pb	<.00000	ppb	.51414	61.855
Pd	2.5016	ppb	11.0521	441.81
Sb	<.00000	ppb	.77872	518.48
Se	1.5461	ppb	1.4872	96.187
Si	23.511	ppb	1.190	5.0615
Sn	.03477	ppb	.39389	1,133.0
Sr	.93502	ppb	8.99262	961.75
Ti	1.7440	ppb	.6077	34.843
Tl	2.1765	ppb	.5011	23.024
V_	2.2942	ppb	5.9682	260.15
Zn	.13170	ppb	.13223	100.40
Zr	.73328	ppb	1.13959	155.41

CCV-3

Acquire Date: 11-Sep-2018 1:35 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1932.1	ppb	11.1	.57613
Ag	504.05	ppb	.87	.17323
Al	1986.4	ppb	4.4	.22351
As	1945.6	ppb	7.4	.38082
Au	<.00000	ppb	.15129	279.47
B_	2085.7	ppb	2.2	.10645
Ba	2075.3	ppb	14.4	.69442
Be	2034.8	ppb	9.3	.45558
Ca	1997.4	ppb	7.1	.35411
Cd	2002.2	ppb	9.7	.48347
Co	2006.8	ppb	6.9	.34351
Cr	1940.4	ppb	29.0	1.4946
Cu	2137.8	ppb	14.3	.66767
Fe	2033.4	ppb	8.2	.40196
K_	9471.5	ppb	63.0	.66501
Li	1953.2	ppb	59.5	3.0477
Mg	1991.1	ppb	18.3	.91909
Mn	2002.7	ppb	4.1	.20583
Mo	2053.8	ppb	8.6	.42098
Na	1901.4	ppb	7.2	.37610
Ni	2030.2	ppb	7.1	.35030
Pb	2077.0	ppb	5.4	.25783

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCV-3

Acquire Date: 11-Sep-2018 1:35 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Pd	<.00000	ppb	5.744	25.522
Sb	1986.8	ppb	8.6	.43107
Se	1962.6	ppb	7.4	.37758
Si	4755.9	ppb	16.9	.35572
Sn	2030.7	ppb	3.1	.15338
Sr	2075.4	ppb	12.9	.62239
Ti	<.00000	ppb	2.7519	178.52
Tl	2074.3	ppb	2.1	.10193
V_	2011.2	ppb	7.8	.38936
Zn	2026.7	ppb	6.6	.32437
Zr	<.00000	ppb	.58802	1,217.6

CCB-3

Acquire Date: 11-Sep-2018 1:39 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	2.1212	ppb	.9591	45.215
Ag	<.00000	ppb	7.0260	584.84
Al	<.00000	ppb	4.2492	193.10
As	<.00000	ppb	.4226	21.975
Au	.45497	ppb	.03843	8.4478
B_	2.3855	ppb	.6392	26.795
Ba	.38018	ppb	.14475	38.074
Be	<.00000	ppb	.05607	151.60
Ca	6.0735	ppb	.9912	16.320
Cd	.04449	ppb	.02220	49.890
Co	.15568	ppb	.03000	19.272
Cr	.91450	ppb	2.93106	320.51
Cu	1.0331	ppb	2.3107	223.66
Fe	.09198	ppb	.00339	3.6847
K_	7.6722	ppb	1.9612	25.562
Li	12.212	ppb	14.503	118.77
Mg	<.00000	ppb	3.799	35.602
Mn	.01698	ppb	.02042	120.24
Mo	.36086	ppb	.14209	39.375
Na	12.018	ppb	17.700	147.28
Ni	.10443	ppb	.06649	63.665
Pb	<.00000	ppb	.09828	10.706
Pd	20.931	ppb	20.316	97.064
Sb	.52547	ppb	.67220	127.92

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCB-3

Acquire Date: 11-Sep-2018 1:39 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Se	<.00000	ppb	6.8634	155.23
Si	33.022	ppb	9.115	27.602
Sn	.31331	ppb	.09852	31.443
Sr	1.9165	ppb	2.2697	118.43
Ti	1.4687	ppb	.2107	14.343
Tl	1.2654	ppb	.3578	28.277
V_	<.00000	ppb	4.0782	98.452
Zn	.08938	ppb	.06953	77.797
Zr	<.00000	ppb	1.30437	350.72

CCV-4

Acquire Date: 11-Sep-2018 2:25 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1980.1	ppb	12.1	.61299
Ag	498.53	ppb	4.13	.82926
Al	1988.4	ppb	8.1	.40512
As	1964.6	ppb	4.1	.20829
Au	.21347	ppb	.49193	230.45
B_	2094.4	ppb	2.3	.10992
Ba	2084.5	ppb	1.7	.08043
Be	2048.1	ppb	1.4	.06901
Ca	2017.2	ppb	4.5	.22329
Cd	2024.3	ppb	6.0	.29399
Co	2028.3	ppb	6.2	.30327
Cr	1963.5	ppb	1.6	.08382
Cu	2138.2	ppb	3.0	.14131
Fe	2051.4	ppb	8.5	.41445
K_	9528.6	ppb	9.2	.09678
Li	1975.2	ppb	39.2	1.9833
Mg	2007.2	ppb	8.2	.40935
Mn	2009.2	ppb	3.6	.18125
Mo	2069.0	ppb	7.6	.36943
Na	1947.5	ppb	12.2	.62694
Ni	2046.8	ppb	4.3	.21073
Pb	2099.0	ppb	8.8	.41928
Pd	<.00000	ppb	7.954	30.660
Sb	2008.3	ppb	7.6	.37793
Se	1966.9	ppb	6.5	.33252
Si	4747.7	ppb	16.3	.34302

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCV-4

Acquire Date: 11-Sep-2018 2:25 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Sn	2039.7	ppb	5.0	.24650
Sr	2080.0	ppb	1.9	.09003
Ti	<.00000	ppb	.92954	167.17
Tl	2086.5	ppb	1.9	.09174
V_	2020.7	ppb	5.7	.28243
Zn	2042.3	ppb	5.9	.28953
Zr	<.00000	ppb	.00069	.14900

CCB-4

Acquire Date: 11-Sep-2018 2:30 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	21.442	ppb	.360	1.6769
Ag	5.2428	ppb	.9900	18.884
Al	<.00000	ppb	4.5654	91.971
As	<.00000	ppb	.06037	10.869
Au	.29453	ppb	.00006	.02130
B_	2.8280	ppb	1.4969	52.932
Ba	<.00000	ppb	.27306	101.58
Be	<.00000	ppb	.04987	444.76
Ca	<.00000	ppb	4.5994	295.91
Cd	.01701	ppb	.00925	54.383
Co	.13799	ppb	.09507	68.898
Cr	<.00000	ppb	5.3312	167.66
Cu	.17916	ppb	2.52022	1,406.6
Fe	.04614	ppb	.00051	1.1034
K_	10.148	ppb	4.864	47.932
Li	3.6713	ppb	10.0647	274.15
Mg	12.823	ppb	6.234	48.619
Mn	.05406	ppb	.05524	102.18
Mo	.92732	ppb	.36178	39.014
Na	28.331	ppb	17.132	60.469
Ni	<.00000	ppb	.00001	.02384
Pb	<.00000	ppb	.66178	949.86
Pd	14.078	ppb	11.478	81.527
Sb	.70079	ppb	1.69866	242.39
Se	<.00000	ppb	.21033	24.612
Si	33.956	ppb	12.542	36.936
Sn	.34812	ppb	.49234	141.43
Sr	1.9440	ppb	7.0558	362.95

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCB-4

Acquire Date: 11-Sep-2018 2:30 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Ti	.75991	ppb	.78415	103.19
Tl	.35425	ppb	1.50325	424.35
V_	3.8418	ppb	8.2593	214.99
Zn	.07502	ppb	.06238	83.157
Zr	<.00000	ppb	.57650	62.666

CCV-5

Acquire Date: 11-Sep-2018 3:32 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1980.2	ppb	2.0	.09938
Ag	498.72	ppb	1.38	.27761
Al	2026.7	ppb	14.7	.72550
As	1974.1	ppb	12.6	.63620
Au	.66844	ppb	.11356	16.989
B_	2109.5	ppb	11.7	.55525
Ba	2099.2	ppb	4.3	.20411
Be	2055.9	ppb	4.7	.22695
Ca	2018.9	ppb	13.8	.68358
Cd	2040.5	ppb	17.7	.86717
Co	2041.3	ppb	18.9	.92368
Cr	1969.7	ppb	1.3	.06725
Cu	2150.5	ppb	3.6	.16936
Fe	2058.6	ppb	17.6	.85546
K_	9634.0	ppb	2.0	.02123
Li	1995.4	ppb	27.3	1.3677
Mg	1995.4	ppb	7.0	.35290
Mn	2015.0	ppb	15.7	.77832
Mo	2077.1	ppb	21.8	1.0508
Na	1962.3	ppb	2.7	.13894
Ni	2055.0	ppb	18.1	.87941
Pb	2104.3	ppb	18.8	.89473
Pd	<.00000	ppb	11.944	54.596
Sb	2028.7	ppb	11.5	.56804
Se	1960.1	ppb	11.2	.57390
Si	4817.7	ppb	1.5	.03215
Sn	2035.5	ppb	23.7	1.1639
Sr	2081.2	ppb	.5	.02275
Ti	.22784	ppb	.39259	172.31
Tl	2099.0	ppb	17.2	.82120

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCV-5

Acquire Date: 11-Sep-2018 3:32 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
V_	2021.2	ppb	3.9	.19540
Zn	2053.9	ppb	20.0	.97292
Zr	<.00000	ppb	1.51709	177.82

CCB-5

Acquire Date: 11-Sep-2018 3:36 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	20.597	ppb	.499	2.4222
Ag	2.3173	ppb	1.1823	51.021
Al	6.5813	ppb	12.2792	186.58
As	<.00000	ppb	1.8128	163.17
Au	.30808	ppb	.01837	5.9635
B_	3.6800	ppb	1.4965	40.664
Ba	<.00000	ppb	.44613	337.66
Be	.07967	ppb	.02032	25.506
Ca	<.00000	ppb	2.6015	141.44
Cd	.08506	ppb	.15359	180.58
Co	.11853	ppb	.05253	44.314
Cr	<.00000	ppb	2.8382	197.23
Cu	1.8616	ppb	1.5806	84.906
Fe	.06384	ppb	.03059	47.922
K_	7.5424	ppb	2.0526	27.214
Li	7.7427	ppb	2.1273	27.475
Mg	3.7770	ppb	16.6496	440.81
Mn	.09086	ppb	.08326	91.640
Mo	.84051	ppb	.62658	74.547
Na	37.473	ppb	7.309	19.504
Ni	.02610	ppb	.12554	481.05
Pb	<.00000	ppb	.71124	113.98
Pd	9.6865	ppb	2.6590	27.451
Sb	1.1011	ppb	.2125	19.297
Se	1.7979	ppb	2.1868	121.63
Si	31.090	ppb	16.594	53.375
Sn	.17406	ppb	.44306	254.55
Sr	3.8043	ppb	4.5817	120.43
Ti	1.7184	ppb	.4295	24.996
Tl	.75913	ppb	.21490	28.308
V_	1.1492	ppb	4.5581	396.62
Zn	.14074	ppb	.02830	20.111

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCB-5

Acquire Date: 11-Sep-2018 3:36 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Zr	<.00000	ppb	1.9398	168.50

CRI-2

Acquire Date: 11-Sep-2018 4:11 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	23.840	ppb	11.275	47.293
Ag	20.346	ppb	1.004	4.9339
Al	4.3300	ppb	5.8963	136.17
As	16.496	ppb	.242	1.4672
Au	<.00000	ppb	.26488	141.23
B_	4.9019	ppb	2.2707	46.322
Ba	<.00000	ppb	.42735	165.92
Be	10.025	ppb	.078	.77490
Ca	7.6389	ppb	6.0043	78.601
Cd	9.8335	ppb	.0353	.35876
Co	96.291	ppb	.544	.56499
Cr	20.309	ppb	3.295	16.225
Cu	49.906	ppb	.103	.20659
Fe	4.4233	ppb	.2534	5.7282
K_	11.045	ppb	3.631	32.878
Li	3.0090	ppb	12.0740	401.26
Mg	<.00000	ppb	24.9869	657.65
Mn	28.840	ppb	.068	.23576
Mo	.31061	ppb	.01938	6.2382
Na	38.584	ppb	15.962	41.369
Ni	78.428	ppb	.459	.58487
Pb	4.9376	ppb	.0497	1.0068
Pd	21.876	ppb	10.175	46.514
Sb	115.28	ppb	.46	.40022
Se	10.191	ppb	1.652	16.211
Si	34.896	ppb	8.844	25.344
Sn	.85291	ppb	.02462	2.8862
Sr	2.1891	ppb	9.0027	411.25
Ti	2.5780	ppb	.3573	13.859
Tl	19.334	ppb	.430	2.2223
V_	95.398	ppb	2.555	2.6778
Zn	40.906	ppb	.153	.37472
Zr	.99546	ppb	2.01198	202.12

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

ICSA-2

Acquire Date: 11-Sep-2018 4:16 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	33.441	ppb	5.201	15.554
Ag	<.00000	ppb	.477	.94767
Al	493350.	ppb	301	.06091
As	<.00000	ppb	2.19	1.7360
Au	161.84	ppb	1.35	.83224
B_	<.00000	ppb	.11	.04522
Ba	1.6159	ppb	.0318	1.9665
Be	2.4859	ppb	.0281	1.1292
Ca	423550.	ppb	112	.02648
Cd	<.00000	ppb	.02596	4.5497
Co	<.00000	ppb	.02003	9.5965
Cr	<.00000	ppb	5.243	40.955
Cu	<.00000	ppb	4.775	16.941
Fe	126350.	ppb	244	.19297
K_	.12799	ppb	.91750	716.87
Li	<.00000	ppb	213.8	9.7058
Mg	512490.	ppb	1,041	.20314
Mn	<.00000	ppb	.060	.43808
Mo	<.00000	ppb	.0455	1.4485
Na	30.126	ppb	.359	1.1908
Ni	<.00000	ppb	.156	.89973
Pb	<.00000	ppb	.425	.54077
Pd	.00429	ppb	11.04515	257,390
Sb	1.6546	ppb	.7403	44.746
Se	<.00000	ppb	1.013	2.4086
Si	8.3888	ppb	1.2034	14.345
Sn	3.1159	ppb	.8126	26.079
Sr	29.732	ppb	4.224	14.207
Ti	<.00000	ppb	1.604	9.2667
Tl	<.00000	ppb	2.793	17.976
V_	<.00000	ppb	.119	.71003
Zn	<.00000	ppb	.150	.78415
Zr	<.00000	ppb	.1065	7.7945

ICSAB-2

Acquire Date: 11-Sep-2018 4:22 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

ICSAB-2

Acquire Date: 11-Sep-2018 4:22 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	21.922	ppb	5.565	25.384
Ag	997.58	ppb	16.68	1.6725
Al	499430.	ppb	3,559	.71257
As	<.00000	ppb	.85	.63378
Au	167.36	ppb	.19	.11308
B_	<.00000	ppb	.35	.14601
Ba	514.18	ppb	3.97	.77220
Be	492.58	ppb	2.76	.56048
Ca	427180.	ppb	2,277	.53310
Cd	895.39	ppb	.44	.04934
Co	479.37	ppb	.61	.12739
Cr	579.21	ppb	1.48	.25599
Cu	559.14	ppb	1.56	.27902
Fe	126530.	ppb	126	.09994
K_	1.6495	ppb	4.8045	291.27
Li	<.00000	ppb	216.5	10.145
Mg	520280.	ppb	4,480	.86105
Mn	477.07	ppb	.21	.04440
Mo	<.00000	ppb	.0129	.35576
Na	29.178	ppb	4.088	14.012
Ni	830.90	ppb	.62	.07419
Pb	876.76	ppb	1.43	.16327
Pd	<.00000	ppb	4.8629	389.29
Sb	8.5336	ppb	.6454	7.5626
Se	<.00000	ppb	2.974	7.9055
Si	11.754	ppb	13.064	111.15
Sn	2.0712	ppb	.2215	10.695
Sr	19.138	ppb	.529	2.7653
Ti	<.00000	ppb	.286	1.4742
Tl	<.00000	ppb	1.145	5.3620
V_	453.01	ppb	8.54	1.8844
Zn	859.81	ppb	.43	.04983
Zr	<.00000	ppb	1.0707	52.199

CCV-6

Acquire Date: 11-Sep-2018 4:26 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	1898.5	ppb	2.3	.12094
Ag	491.36	ppb	2.79	.56880

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCV-6

Acquire Date: 11-Sep-2018 4:26 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Al	1976.2	ppb	8.9	.44982
As	1949.8	ppb	6.1	.31316
Au	1.0698	ppb	.4541	42.449
B_	2078.3	ppb	9.2	.44241
Ba	2060.0	ppb	8.7	.42474
Be	2017.8	ppb	3.9	.19202
Ca	1986.1	ppb	7.0	.35094
Cd	2006.6	ppb	7.1	.35138
Co	2001.8	ppb	6.1	.30540
Cr	1937.4	ppb	5.6	.29073
Cu	2109.6	ppb	7.1	.33489
Fe	2036.0	ppb	2.2	.10676
K_	9387.5	ppb	5.1	.05391
Li	1950.4	ppb	40.7	2.0872
Mg	1964.8	ppb	5.4	.27368
Mn	1971.8	ppb	3.4	.17378
Mo	2038.2	ppb	7.0	.34587
Na	1884.4	ppb	.7	.03511
Ni	2015.4	ppb	7.0	.34927
Pb	2064.9	ppb	8.7	.42368
Pd	<.00000	ppb	4.862	20.466
Sb	2001.9	ppb	6.1	.30413
Se	1930.9	ppb	3.8	.19889
Si	4675.2	ppb	6.0	.12847
Sn	1989.7	ppb	4.6	.23268
Sr	2055.9	ppb	.3	.01572
Ti	<.00000	ppb	1.03666	585.69
Tl	2060.9	ppb	.9	.04503
V_	1982.9	ppb	4.4	.22317
Zn	2019.1	ppb	6.1	.30288
Zr	<.00000	ppb	.9325	90.880

CCB-6

Acquire Date: 11-Sep-2018 4:29 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
2Na	<.00000	ppb	1.0421	21.319
Ag	<.00000	ppb	3.7350	238.21
Al	.47378	ppb	6.35084	1,340.5
As	.68337	ppb	.72486	106.07

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

CCB-6

Acquire Date: 11-Sep-2018 4:29 pm Sample Type: Unknown

Correction Factor:1.0000 SW: 1.0000 NW: 1.0000 IV: 1.0000 FV: 1.0000 AF: 1.0000

Elem	Avg	Units	Stddev	%RSD
Au	<.00000	ppb	.41657	222.04
B_	3.6469	ppb	1.4135	38.760
Ba	.61963	ppb	1.01018	163.03
Be	.05292	ppb	.03704	69.981
Ca	<.00000	ppb	1.3962	29.909
Cd	.07851	ppb	.11844	150.86
Co	.18397	ppb	.04504	24.483
Cr	<.00000	ppb	.1714	8.2637
Cu	<.00000	ppb	.03885	5.7526
Fe	.15989	ppb	.08660	54.162
K_	2.4637	ppb	3.1966	129.75
Li	9.8373	ppb	10.4274	106.00
Mg	<.00000	ppb	2.68467	421.07
Mn	.11917	ppb	.12809	107.49
Mo	.90442	ppb	.60080	66.429
Na	18.879	ppb	5.313	28.143
Ni	.26624	ppb	.06646	24.963
Pb	<.00000	ppb	.46553	134.35
Pd	34.080	ppb	16.809	49.323
Sb	.52534	ppb	.67230	127.97
Se	.61102	ppb	2.54210	416.04
Si	24.393	ppb	9.555	39.170
Sn	<.00000	ppb	.12302	47.127
Sr	<.00000	ppb	7.41204	1,088.0
Ti	.60583	ppb	.78537	129.64
Tl	.25316	ppb	.93059	367.59
V_	<.00000	ppb	5.54915	1,071.4
Zn	.16140	ppb	.16620	102.98
Zr	<.00000	ppb	.64936	77.710

Color Legend: Pass/Unchecked Internal Standard Check Fail Check Warn

Adirondack Environmental Services, Inc

PREP BATCH REPORT

Prep Start Date: **9/5/2018 12:42:58 P**
Prep End Date: **9/5/2018 2:15:00 P**

Comments: Temp:95 Start Time:1300 End Time:1415

Prep Factor Units: **mL / mL**

Prep Batch **62483** Prep Code: **3010CLP** Technician: **Ashlyn VanBuren**

Sample ID	Matrix	pH	ResCl	SampAmt	Sol Added	Fin Vol	factor	PrepStart	PrepEnd	ExPos	TareWt	CleanUp
MB-62483				50	0	50	1.000	9/5/2018	9/5/2018		0	
LCS-62483				50	0	50	1.000	9/5/2018	9/5/2018		0	
180829015-014A	Groundwater	1		50	0	50	1.000	9/5/2018	9/5/2018		0	
180829015-014ADP	Groundwater	1		50	0	50	1.000	9/5/2018	9/5/2018		0	
180829015-014AMS	Groundwater	1		50	0	50	1.000	9/5/2018	9/5/2018		0	
180829015-015A	Groundwater	1		50	0	50	1.000	9/5/2018	9/5/2018		0	
180829015-016A	Groundwater	1		50	0	50	1.000	9/5/2018	9/5/2018		0	
180829015-017A	Groundwater	1		50	0	50	1.000	9/5/2018	9/5/2018		0	

Number	Reagent Name
5079	Nitric Acid
5071	Hydrochoric Acid
5157	Hot Block Digestion Vessels - 50mL

Solution ID	Solution Name	SampType	AmtAdd	units
MSP-ICP SPIKE-	ICP Spike		0.5	ml
MWS-200.7-6-77	200.7-6		50	ml

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.