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January 14, 2011

Mr. Don Heller
U.S. Environmental Protection Agency, Region 5
Waste Management Division
77 West Jackson Blvd., HRP-8J
Chicago, IL 60604-3590

RE: Fourth Quarter 2010 Progress Report
RCRA Corrective Action
Allison Transmission, Speedway, IN
USEPA ID Nos. IND006413348 and IND000806828

Dear Mr. Heller:

The attached progress report is submitted on behalf of General Motors LLC (GM), in accordance with the requirements of the Performance-Based Corrective Action Agreement between the U.S. Environmental Protection Agency Region 5 (USEPA) and General Motors Corporation. The progress report covers the fourth quarter of 2010 (October 1, 2010 through December 31, 2010).

Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,

David M. Favero, P.G.
Project Manager

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JAN 18 2011
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

Attachment A – Fourth Quarter 2010 Progress Report

C: Glynda Oakes, IDEM Office of Land Quality (via e-mail)
Adam Rickert/Pam Thevenow, Marion County Health Department (via e-mail)
Marilyn Dedyne/Jean Caufield, GM (paper & via e-mail)
Kim Crame/Sue Barto, Allison Transmission, Inc. (via e-mail)
Speedway Library (Public Information Repository) (paper)

ref: c:\proj\gmatd\rcracorrectiveaction\qtrlyreports\4qtr2010report_0111_Allison_final

ATTACHMENT A
FOURTH QUARTER 2010 PROGRESS REPORT
PERFORMANCE-BASED RCRA CORRECTIVE ACTION
ALLISON TRANSMISSION
OCTOBER 1, 2010 TO DECEMBER 31, 2010

WORK PERFORMED THIS QUARTER

- Completed and submitted *Third Quarter 2010 Progress Report*, RCRA Corrective Action, Allison Transmission, Speedway, IN, USEPA ID Nos. IND006413348 and IND000806828.

- Completed and submitted the *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, First Half 2010.

- Prepared a response to comments received from USEPA on the Plant 2 portion of the RFI Report on September 14, 2010, and submitted to USEPA on November 16, 2010.

- Participated in a conference call with USEPA, representatives of the Speedway Redevelopment Commission and Allison Transmission, to discuss Allison's potential sale of Plant 2, and the relationship between redevelopment and RCRA Corrective Action.

- Gauged selected monitoring wells with USEPA in relation to USEPA's Vermont Street Evaluation on October 13, 2010.

- Completed a comprehensive, site-wide groundwater gauging event and groundwater sampling related to evaluating the performance of the Plant 12 PCE groundwater recovery system.

- Began preparation of a Soil Management Plan and Environmental Restrictive Covenant for Plant 2.

- Continued operation and maintenance of interim measures: soil vapor extraction (SVE)/groundwater recovery system at the Plant 12 Former Degreaser Area (AOI 51), passive free product recovery and groundwater recovery related to the diesel fuel impacted groundwater plume (AOI 40), total fluids recovery at the waste treatment area (AOI 19), and passive free product recovery at the Transmission Test Assembly Area (AOI 53).

DATA AVAILABLE DURING THIS QUARTER

- Analytical results from monitoring air emissions from the Plant 12 former degreaser area SVE and air stripper exhaust stacks (included in the enclosed *RCRA Corrective Action*

Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010, January 14, 2011).

- Analytical results from monitoring the effluent from the pretreatment of recovered groundwater from the diesel fuel plume (Outfall 003), and effluent from the treatment of recovered groundwater from the Plant 12 Former Degreaser Area (Outfall 004), (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, Second Half 2010, January 14, 2011).

- Analytical results from monitoring wells associated with the CA750 Environmental Indicators Determination and associated with evaluation of the interim measures remediation systems at Plant 12 Former Degreaser Area (included in the *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, Second Half 2010, January 14, 2011).

PROBLEMS ENCOUNTERED

- None.

SUMMARY OF PROBLEM RESOLUTION

- NA

POTENTIAL PROBLEMS

- None.

ESTIMATED PERCENT COMPLETE FOR SELECTED ACTIVITIES

• DOCC	100%
• Public Participation Plan	100%
• RFI Work Plan	100%
• RFI Phase I Implementation	100%
• RFI Data Report (through Phase I data)	100%

• RFI Phase II Implementation	100%
• RFI Data Report (updated to include Phase II data)	100%
• RFI Phase III Implementation	100%
• Plant 12 Former Degreaser Area (AOI 51) Downgradient Groundwater Migration Control Interim Measures Work Plan	100%
• Plant 12 Former Degreaser Area (AOI 51) Downgradient Groundwater Migration Control Interim Measures Implementation	100%
• AOI 19 Interim Measures Work Plan	100%
• AOI 19 Interim Measures Implementation	100%
• Draft RFI Report	100%
• Final RFI Report (Submitted February 20, 2009)	100%
• Environmental Indicator Human Health - CA725 Determination (Due by March 31, 2008 and Submitted on March 28, 2008); Resubmitted on July 1, 2008 and approved by USEPA on September 25, 2008.	100%
• Environmental Indicator Groundwater Migration – CA750 Determination (Due by March 31, 2008 and Submitted on March 28, 2008)	100%
• Sampling to Support Corrective Measures Proposal and Confirm RFI Results	100%
• Data Report for Additional Sampling	100%
• AOI 2-1 Interim Measures Work Plan (Approved by USEPA on November 6, 2008)	100%
• AOI 2-1 Interim Measures Implementation	100%

- Stage II Additional Sampling to Support the Corrective Measures Proposal and to Support Evaluation of Interim Measures System Performance — 100%
- Data Report For Stage II Additional Sampling (Submitted March 27, 2009) — 100%
- Stage III Sampling Matrix (Submitted June 19, 2009) — 100%
- Stage III Additional Sampling Implementation — 100%
- Data Report For Stage III Additional Sampling — 100%
- Corrective Measures Proposal (Revised due date; March 31, 2009: Submitted March 31, 2009) — 100%
- Operation, Monitoring and Maintenance of Interim Measures
  [Note that the estimated percent complete for these interim measures are only intended to be rough approximations and are subject to revision based on review of monitoring data. Discontinuing operation of any of these interim measures will be coordinated with USEPA and will be based on a review of monitoring data and evaluation of appropriate risk-based end points, if applicable.]

  - Plant 12 PCE Soil Vapor Extraction System — 53%
  - Plant 12 PCE Groundwater Recovery System — 11%
  - Plant 12 Transmission Test Assembly Area — 77%
  - Diesel Fuel Plume Recovery System — 60%
  - Waste Treatment LNAPL Recovery System — 20%

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

- GM representatives have had several contacts with representatives of the Speedway Redevelopment Commission (SRC) regarding technical issues related to Plant 2.
- Attended USEPA-sponsored public meeting regarding the Vermont Street Area Investigation.
- Provided the following documents to the public information repository this quarter:

- *Third Quarter 2010 Progress Report*, RCRA Corrective Action, Allison Transmission, Inc., Speedway, IN, USEPA ID Nos. IND000806836 and IND094469913, October 14, 2010.
- *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, First Half 2010, ARCADIS, October 14, 2010.

CHANGES IN PERSONNEL

- None.

PROJECTED WORK FOR NEXT REPORTING PERIOD

- Respond to comments from USEPA on the RFI Report in relation to Plant 2.
- Prepare and submit to USEPA a work plan for implementing a soil vapor extraction system at AOI 42/43 (Plant 14).
- Coordinate with USEPA, as necessary, for their Vermont Street Evaluation.
- Coordinate with Allison Transmission and the Speedway Redevelopment Commission as appropriate, regarding the potential sale and redevelopment of Plant 2 and the redevelopment of the area surrounding Allison Transmission.
- Propose permanent removal of some RFI monitoring wells at Plant 2 to USEPA. Conduct monitoring well closure activities in accordance with IDEM regulations for wells as agreed to with USEPA.
- Prepare responses, summaries of meetings, data reviews, or other conference calls with USEPA, as appropriate.
- Perform routine operation, monitoring and maintenance for operating remediation systems and implement duplicate high level alarms at the remediation systems.

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Enclosure

RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010, ARCADIS, January 14, 2011.

ARCADIS

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	L_Eagle Cr_South	9/25/2009	718.41	NM	NM	NM	NM	NM
		11/2/2009	718.41	NM	16.30	702.11	--	--
		10/14/2010	718.41	NM	17.65	700.76	--	--
AOI 01	MW-0620-S1	11/2/2009	722.00	NM	NM	NM	NM	NM
		4/30/2010	722.00	16.68	11.45	710.55	--	--
		10/14/2010	722.00	16.46	12.31	709.69	--	--
		11/18/2010	722.00	NM	NM	NM	--	--
	MW-0621-S1	11/2/2009	715.11	NM	NM	NM	NM	NM
		10/14/2010	715.11	8.65	5.48	709.63	--	--
		11/18/2010	715.11	NM	NM	NM	--	--
	MW-0649-S1	11/2/2009	721.75	NM	NM	NM	NM	NM
		10/14/2010	721.75	13.82	12.54	709.21	--	--
		11/18/2010	721.75	NM	NM	NM	--	--
	PZ-01-0701-S2	9/25/2009	729.98	NM	NM	NM	NM	NM
		11/2/2009	729.98	NM	NM	NM	NM	NM
		10/14/2010	729.98	NM	NM	NM	--	--
AOI 02-01	MW-0615-S2	9/25/2009	725.17	NM	NM	NM	NM	NM
		11/2/2009	725.17	NM	NM	NM	--	--
		10/14/2010	725.17	21.53	15.36	709.81	--	--
	MW-0640-S2	9/25/2009	724.48	NM	NM	NM	NM	NM
		11/2/2009	724.48	NM	NM	NM	NM	NM
		10/14/2010	724.48	22.50	14.90	709.58	--	--
	MW2-1-S2	9/25/2009	721.55	NM	NM	NM	NM	NM
		11/2/2009	721.55	NM	NM	NM	NM	NM
		10/14/2010	721.55	22.42	12.42	709.13	--	--
AOI 02-02	MW-0702-S2	9/25/2009	724.09	NM	NM	NM	NM	NM
		11/2/2009	724.09	NM	NM	NM	NM	NM
		4/30/2010	724.09	23.90	14.21	709.88	--	--
		10/14/2010	724.09	23.68	14.98	709.11	--	--
	MW2-2-S2	9/25/2009	723.74	NM	NM	NM	NM	NM
		11/2/2009	723.74	NM	NM	NM	NM	NM
		10/14/2010	723.74	24.45	14.60	709.14	--	--
AOI 02-03	MW2-3-S2	9/25/2009	724.32	NM	NM	NM	NM	NM
		11/2/2009	724.32	NM	NM	NM	NM	NM
		10/14/2010	724.32	24.45	15.18	709.14	--	--
AOI 02-04	MW-0616-S2	9/25/2009	725.03	NM	NM	NM	NM	NM
		11/2/2009	725.03	NM	NM	NM	--	--
		4/30/2010	725.03	22.34	15.32	709.71	--	--
		10/14/2010	725.03	22.10	16.06	708.97	--	--
	MW-0617-S2	9/25/2009	725.22	NM	NM	NM	NM	NM
		11/2/2009	725.22	NM	NM	NM	--	--
		10/14/2010	725.22	20.55	15.28	709.94	--	--
	MW-0642-S2	9/25/2009	722.93	NM	NM	NM	NM	NM
		11/2/2009	722.93	NM	NM	NM	NM	NM
		10/14/2010	722.93	19.55	14.00	708.93	--	--
AOI 02-06	MW-0618-S2	9/25/2009	721.54	NM	NM	NM	NM	NM
		11/2/2009	721.54	NM	NM	NM	--	--
		10/14/2010	721.54	20.55	12.43	709.11	--	--
	MW-0619-S2	9/25/2009	724.75	NM	NM	NM	NM	NM
		11/2/2009	724.75	NM	NM	NM	--	--
		10/14/2010	724.75	20.31	14.94	709.81	--	--
	MW-0643-S2	9/25/2009	725.24	NM	NM	NM	NM	NM
		11/2/2009	725.24	NM	NM	NM	NM	NM
		10/14/2010	725.24	21.21	16.02	709.22	--	--
	MW-0644-S2	9/25/2009	725.37	NM	NM	NM	NM	NM
		11/2/2009	725.37	NM	NM	NM	NM	NM
		4/30/2010	725.37	21.38	15.39	709.98	--	--
		10/14/2010	725.37	21.16	16.33	709.04	--	--
	MW-0645-S2	9/25/2009	725.03	NM	NM	NM	NM	NM
		11/2/2009	725.03	NM	NM	NM	NM	NM
		10/14/2010	725.03	20.95	15.40	709.63	--	--
	MW-0647-S2	9/25/2009	725.56	NM	NM	NM	NM	NM
		11/2/2009	725.56	NM	NM	NM	NM	NM
		10/14/2010	725.56	24.95	19.04	706.52	--	--
AOI 06	MW-0603-S1	11/2/2009	721.91	NM	NM	NM	NM	NM
AOI 08	MW-0650-S1	11/2/2009	722.09	NM	NM	NM	NM	NM
		10/14/2010	722.09	14.69	10.87	711.22	--	--
		11/18/2010	722.09	NM	NM	NM	--	--
AOI 09	MW-0651-S2	9/25/2009	721.49	NM	NM	NM	NM	NM
		11/2/2009	721.49	NM	NM	NM	NM	NM
		10/14/2010	721.49	23.25	17.08	704.41	--	--
	MW-23-S2	9/25/2009	717.87	NM	NM	NM	NM	NM
		11/2/2009	717.87	NM	NM	NM	NM	NM
		4/30/2010	717.87	24.40	19.52	698.35	--	--
		10/14/2010	717.87	24.15	19.83	698.04	--	--
AOI 13	MW-0652-S1	11/2/2009	722.10	NM	NM	NM	NM	NM
		10/14/2010	722.10	17.65	15.68	706.42	--	--
		11/18/2010	722.10	NM	NM	NM	--	--
AOI 14	MW-20-S1	11/2/2009	721.31	NM	NM	NM	NM	NM
		10/14/2010	721.31	20.46	14.24	707.07	--	--
AOI 15	MW-3-2-S1	11/2/2009	721.17	NM	NM	NM	NM	NM
		10/14/2010	721.17	17.20	15.00	706.17	--	--
	MW-3-9-S2	9/25/2009	723.74	NM	NM	NM	NM	NM
		11/2/2009	723.74	NM	NM	NM	NM	NM
		4/30/2010	723.74	37.45	26.24	697.50	--	--
		10/14/2010	723.74	NM	27.01	696.73	--	--
AOI 16	MW-0626-S1	11/2/2009	721.08	NM	NM	NM	NM	NM
		10/14/2010	721.08	18.24	15.52	705.56	--	--
		11/18/2010	721.08	NM	NM	NM	--	--
AOI 19	MW-0204-T	9/25/2009	721.48	NM	NM	NM	NM	NM
		11/2/2009	721.48	34.68	17.87	703.61	--	--
	MW-0413-S1	5/24/2004	720.70	23.05	16.60	704.10	13.13	3.47

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		6/24/2004	720.70	23.10	18.05	702.65	12.90	5.15
		11/23/2004	720.70	NM	18.71	701.99	11.65	7.06
		1/31/2005	720.70	23.10	16.32	704.38	11.66	4.66
		2/25/2005	720.70	23.10	16.36	704.34	11.76	4.60
		3/20/2005	720.70	23.10	16.06	704.64	12.63	3.43
		3/29/2005	720.70	23.10	16.99	703.71	12.37	4.62
		4/8/2005	720.70	23.10	15.95	704.75	11.52	4.43
		4/20/2005	720.70	23.10	15.77	704.93	11.38	4.39
		4/28/2005	720.70	23.10	16.07	704.63	11.56	4.51
		5/31/2005	720.70	23.10	16.25	704.45	11.64	4.61
		6/9/2005	720.70	23.10	17.02	703.68	12.59	4.43
		6/29/2005	720.70	23.10	17.11	703.59	12.78	4.33
		7/26/2005	720.70	23.10	17.50	703.20	12.72	4.78
		7/29/2005	720.70	23.10	17.66	703.04	12.75	4.91
		8/12/2005	720.70	23.10	17.12	703.58	12.37	4.75
		8/31/2005	720.70	23.10	17.91	702.79	12.89	5.02
		9/30/2005	720.70	23.10	17.50	703.20	12.78	4.72
		10/31/2005	720.70	23.10	17.32	703.38	12.40	4.92
		11/1/2005	720.70	23.10	17.32	703.38	12.40	4.92
		11/29/2005	720.70	23.10	17.40	703.30	12.32	5.08
		12/22/2005	720.70	23.10	18.21	702.49	13.10	5.11
		1/18/2006	720.70	NM	12.51	NM	11.81	NM
		1/31/2006	720.70	23.10	17.89	702.81	12.26	5.63
		2/28/2006	720.70	23.10	15.94	704.76	12.93	3.01
		3/30/2006	720.70	NM		NM	NM	NM
		4/10/2006	721.94	15.32	12.51	709.43	--	NM
		4/28/2006	720.70	NM	NM	NM	NM	NM
		5/30/2006	720.70	NM	NM	NM	NM	NM
		6/26/2006	720.70	23.10	17.26	703.44	12.13	5.13
		2/2/2007	721.94	15.35	12.44	709.50	--	NM
		1/18/2008	721.94	NM	12.44	709.50	--	0.70
		4/3/2008	721.94	NM	NM	NM	--	1.57
		4/16/2009	721.94	23.10	13.32	708.62	11.52	1.80
		4/21/2009	721.94	NM	NM	NM	--	0.02
		11/2/2009	721.94	22.10	11.90	NA	11.20	0.70
		11/4/2010	721.94	NM	12.17	710.37	11.45	0.72
	MW-0506-S1	11/18/2005	721.35	26.21	21.57	699.78	--	--
		2/28/2006	721.35	24.69	17.27	704.08	--	--
		4/10/2006	NM	NM	19.95	NM	--	--
		2/7/2007	NM	NM	NM	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	NM	NM	--	--
		4/7/2009	721.94	15.35	12.24	709.70	--	Slight Sheen
		11/2/2009	721.94	15.60	12.34	709.60	--	--
		10/14/2010	721.94	15.57	12.00	709.94	--	--
	MW-0507-S1	11/18/2005	720.66	14.80	11.03	709.63	--	--
		2/28/2006	720.66	15.53	11.25	709.41	--	--
		4/10/2006	720.66	14.50	10.22	710.44	--	--
		2/2/2007	720.66	15.53	9.58	711.08	--	--
		10/8/2007	720.66	14.75	10.50	710.16	--	--
		1/18/2008	720.66	NM	NM	NM	--	--
		5/20/2008	720.66	NM	10.18	NM	--	--
		4/7/2009	720.66	14.36	10.72	709.94	--	--
		11/2/2009	720.66	14.55	10.03	710.63	--	--
		5/24/2010	720.66	NM	10.38	710.28	--	--
	MW-0508-S1	11/18/2005	721.21	25.87	16.50	704.71	--	--
		2/27/2006	721.21	25.55	16.27	704.94	--	--
		4/10/2006	721.21	25.50	16.30	704.91	--	--
		2/2/2007	721.21	25.51	15.13	706.08	--	--
		10/8/2007	721.21	25.45	17.47	703.74	--	--
		1/18/2008	721.21	NM	NM	NM	--	--
		5/20/2008	721.21	NM	10.18	NM	--	--
		4/7/2009	721.21	25.15	16.97	704.24	--	--
		11/2/2009	721.21	25.21	16.40	704.81	--	--
		5/24/2010	721.21	NM	16.32	704.89	--	--
		10/14/2010	721.21	25.29	17.31	703.90	--	--
	MW-0605-S2	2/28/2006	721.33	29.61	13.45	707.88	--	--
		4/10/2006	721.33	29.57	13.65	707.68	--	--
		2/2/2007	721.33	29.63	12.54	708.79	--	--
		10/8/2007	721.33	29.86	13.46	707.87	--	--
		1/18/2008	721.33	NM	NM	NM	--	--
		5/20/2008	721.33	NM	10.18	NM	--	--
		4/7/2009	721.33	29.64	12.46	708.87	--	--
		9/25/2009	721.33	NM	NM	NM	NM	NM
		11/2/2009	721.33	29.88	12.75	708.58	--	--
		5/24/2010	721.33	NM	12.80	708.53	--	--
		10/14/2010	721.33	31.85	13.19	708.14	--	--
	MW-11-S1	5/17/2001	721.06	NM	13.25	707.81	--	--
		12/17/2001	721.06	NM	13.06	708.00	--	--
		3/14/2002	721.06	NM	13.11	707.95	--	--
		8/13/2002	721.06	NM	13.24	707.82	--	--
		5/23/2003	721.06	NM	12.96	708.10	--	--
		11/19/2003	721.06	NM	13.01	708.05	--	--
		5/19/2004	721.06	NM	13.00	708.06	--	--
		11/19/2004	721.06	NM	12.61	708.45	--	--
		1/18/2006	721.06	16.90	13.43	707.63	--	--
		2/2/2007	721.06	16.84	11.99	709.07	--	--
		1/18/2008	721.06	NM	NM	NM	--	--
		5/20/2008	721.06	NM	12.39	NM	--	--
		4/7/2009	721.06	16.80	12.44	708.62	--	--
		11/2/2009	721.06	17.10	12.55	708.51	--	--
		5/24/2010	721.06	NM	12.51	708.55	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		10/14/2010	721.06	17.08	12.81	708.25	--	--
AOI 24	MW-9-S1	11/2/2009	722.17	NM	NM	NM	NM	NM
AOI 2-4	MW-0703-S2	9/25/2009	722.07	NM	NM	NM	NM	NM
		11/2/2009	722.07	NM	NM	NM	NM	NM
		10/14/2010	722.07	18.95	13.59	708.48	--	--
AOI 26	IW-0201-S1	11/2/2009	721.50	NM	NM	NM	NM	NM
	IW-0202-S1	11/2/2009	721.62	NM	NM	NM	NM	NM
		10/14/2010	721.62	16.91	14.10	707.52	--	--
	IW-0203-S1	11/2/2009	721.78	NM	NM	NM	NM	NM
		10/14/2010	721.78	17.64	13.98	707.80	--	--
	MW-0103-S1	11/2/2009	722.04	NM	NM	NM	NM	NM
		10/14/2010	722.04	14.83	12.20	709.84	--	--
	MW-0115-S1	11/2/2009	722.37	NM	NM	NM	NM	NM
		10/14/2010	722.37	17.05	13.06	709.31	--	--
	MW-0211-S1	11/2/2009	721.62	NM	NM	NM	NM	NM
		10/14/2010	721.62	16.91	14.06	707.56	--	--
	MW-0212-S1	11/2/2009	721.64	NM	NM	NM	NM	NM
		10/14/2010	721.64	16.91	13.84	707.80	--	--
	MW-0628-S2B	9/25/2009	721.66	NM	NM	NM	NM	NM
		11/2/2009	721.66	47.66	14.89	706.77	--	--
		10/14/2010	721.66	47.72	16.06	705.60	--	--
	MW-0630-S3	9/25/2009	719.47	56.40	17.28	702.19	--	--
		11/2/2009	719.47	56.30	17.17	702.30	--	--
		10/14/2010	719.47	56.55	17.54	701.93	--	--
	MW-0630-S4	9/25/2009	719.47	>101	24.91	694.56	--	--
		11/2/2009	719.47	101+	17.03	702.44	--	--
		4/30/2010	719.47	101.80	20.89	698.58	--	--
AOI 2-6	MW-0706-S2	9/25/2009	725.37	NM	NM	NM	NM	NM
		11/2/2009	725.37	NM	NM	NM	NM	NM
		10/14/2010	725.37	23.82	15.83	709.54	--	--
AOI 26/29	MW-0629-S2	10/8/2007	721.35	26.21	21.57	699.78	--	--
		12/13/2007	721.35	24.69	17.27	704.08	--	--
		1/18/2008	721.35	NM	19.95	701.40	--	--
		12/10/2008	721.35	NM	21.09	700.26	--	--
		2/10/2009	721.35	26.05	20.59	700.76	--	--
		3/27/2009	721.35	26.11	20.15	701.20	--	--
		4/7/2009	721.35	26.05	19.96	701.39	--	--
		9/25/2009	721.35	26.45	19.49	701.86	--	--
		11/2/2009	721.35	26.05	18.57	702.78	--	--
		4/30/2010	721.35	26.24	16.92	704.43	--	--
		10/14/2010	721.35	26.28	17.74	703.61	--	--
AOI 27	MW-0631-S1	12/10/2008	721.98	NM	14.45	NM	--	--
		4/7/2009	721.98	19.22	14.32	NM	--	--
		11/2/2009	721.98	19.31	14.87	NA	--	--
		5/24/2010	721.98	19.28	14.72	707.26	--	--
		10/14/2010	721.98	19.11	14.97	707.01	--	--
		11/18/2010	721.98	NM	NM	NM	--	--
AOI 30	MW-0609-S2	9/25/2009	722.06	NM	NM	NM	NM	NM
		11/2/2009	722.06	36.57	20.90	701.16	--	--
		10/14/2010	722.06	36.68	21.59	700.47	--	--
AOI 31	BW-12	9/25/2009	722.17	NM	NM	NM	NM	NM
		11/2/2009	722.17	NM	18.64	703.53	17.65	0.99
	MW-0610-S2	3/2/2006	722.17	28.65	18.91	703.26	18.25	0.66
		3/30/2006	722.17	28.65	17.93	704.24	17.81	0.12
		4/10/2006	722.17	28.65	18.05	704.12	--	Sheen
		4/28/2006	722.17	28.65	17.87	704.30	--	Sheen
		5/30/2006	722.17	28.65	18.18	703.99	18.16	0.02
		6/26/2006	722.17	28.65	18.22	703.95	18.14	0.08
		8/16/2006	722.17	NA	NA	NA	NA	NA
		8/29/2006	722.17	28.80	19.19	702.98	18.52	0.67
		9/26/2006	722.17	28.80	19.13	703.04	18.88	0.25
		10/18/2006	722.17	28.80	19.26	702.91	18.88	0.38
		11/23/2006	722.17	28.80	18.95	703.22	18.28	0.67
		12/18/2006	722.17	28.80	19.06	703.11	18.11	0.95
		1/16/2007	722.17	28.80	17.09	705.08	16.77	0.32
		2/22/2007	722.17	28.80	16.71	705.46	16.44	0.27
		3/20/2007	722.17	28.80	17.48	704.69	17.24	0.24
		4/24/2007	722.17	28.80	17.96	704.21	17.79	0.17
		5/17/2007	722.17	28.80	18.05	704.12	17.89	0.16
		6/26/2007	722.17	28.80	21.97	700.20	21.72	0.25
		7/24/2007	722.17	28.78	19.31	702.86	19.12	0.19
		8/20/2007	722.17	28.78	19.35	702.82	19.23	0.12
		10/8/2007	722.17	29.72	19.84	702.33	18.35	1.49
		10/22/2007	722.17	29.72	20.10	702.07	19.22	0.88
		11/15/2007	722.17	29.72	19.45	702.72	19.20	0.25
		12/13/2007	722.17	28.80	19.10	703.07	18.63	0.47
		1/18/2008	722.17	NM	NM	NM	--	1.17
		2/8/2008	722.17	NM	NM	NM	--	0.79
		3/10/2008	722.17	NM	NM	NM	--	0.91
		4/7/2008	722.17	NM	NM	NM	--	0.61
		5/20/2008	722.17	NM	NM	NM	--	2.80
		6/26/2008	722.17	NM	NM	NM	--	0.45
		7/31/2008	722.17	28.75	19.85	702.32	18.31	1.54
		8/27/2008	722.17	28.59	17.54	704.63	17.01	0.53
		9/25/2008	722.17	NM	NM	NM	NM	NM
		10/29/2008	722.17	28.61	17.85	704.32	17.64	0.21
		11/24/2008	722.17	NM	18.05	704.12	17.83	0.22
		12/10/2008	722.17	NM	19.46	702.71	17.20	2.26
		1/26/2009	722.17	NM	18.01	NM	17.65	0.36
		3/24/2009	722.17	NM	18.05	NM	17.56	0.49
		4/7/2009	722.17	28.85	18.71	705.11	16.77	1.94
		9/25/2009	722.17	NM	NM	NM	NM	NM

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/2/2009	722.17	NM	18.64	703.53	17.65	0.99
		12/18/2009	722.17	NM	22.96	699.21	22.45	0.51
		2/22/2010	722.17	NM	18.44	704.66	17.31	1.13
		3/23/2010	722.17	NM	18.28	704.57	17.46	0.82
		5/24/2010	722.17	NM	18.62	704.82	17.08	1.54
		8/23/2010	722.17	NM	18.67	704.50	17.46	1.21
		10/14/2010	722.17	23.80	19.03	703.50	18.60	0.43
		11/18/2010	722.17	NM	19.32	703.69	18.31	1.01
		12/6/2010	722.17	NM	18.99	703.87	18.15	0.84
	MW-0632-S2	1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	23.18	NM	--	--
		4/7/2009	720.66	29.22	22.10	698.56	--	--
		9/25/2009	720.66	NM	NM	NM	NM	NM
		11/2/2009	720.66	29.24	22.40	698.26	--	--
		5/24/2010	720.66	29.60	21.99	698.67	--	--
		10/14/2010	720.66	NM	23.16	697.50	--	--
AOI 32	MW-0410-S2	5/18/2004	721.85	NM	20.11	701.74	--	--
		6/24/2004	721.85	29.34	22.08	699.77	--	--
		11/19/2004	721.85	31.00	22.21	699.64	--	--
		1/31/2005	721.85	29.34	20.14	701.71	--	--
		2/24/2005	721.85	29.34	17.96	703.89	--	--
		3/29/2005	721.85	29.34	22.02	699.83	--	--
		4/28/2005	721.85	29.34	17.67	704.18	--	--
		5/31/2005	721.85	29.34	21.13	700.72	--	--
		6/29/2005	721.85	29.34	24.90	696.95	--	--
		7/29/2005	721.85	30.35	20.55	701.30	--	--
		8/31/2005	721.85	30.35	20.81	701.04	--	--
		9/30/2005	721.85	29.34	22.19	699.66	--	--
		10/31/2005	721.85	29.34	21.35	700.50	--	--
		11/29/2005	721.85	29.34	20.60	701.25	--	--
		12/22/2005	721.85	29.34	22.90	698.95	--	--
		1/31/2006	721.85	29.86	21.21	700.64	--	--
		2/27/2006	721.85	30.10	21.25	700.60	--	--
		2/28/2006	721.85	29.86	21.13	700.72	--	--
		3/30/2006	721.85	29.86	20.73	701.12	--	--
		4/10/2006	721.85	29.86	20.79	701.06	--	--
		4/28/2006	721.85	29.86	20.61	701.24	--	--
		5/30/2006	721.85	29.86	20.92	700.93	--	--
		6/26/2006	721.85	29.86	20.94	700.91	--	--
		8/16/2006	721.85	NA	NA	NA	NA	NA
		8/29/2006	721.85	30.13	21.65	700.20	--	--
		9/26/2006	721.85	30.13	21.66	700.19	--	Sheen
		10/18/2006	721.85	30.13	21.75	700.10	--	--
		11/23/2006	721.85	30.13	21.35	700.50	--	Sheen
		12/18/2006	721.85	30.13	21.17	700.68	--	--
		1/16/2007	721.85	30.13	19.74	702.11	--	--
		2/2/2007	721.85	29.86	19.69	702.16	--	--
		2/22/2007	721.85	29.86	19.54	702.31	--	--
		3/20/2007	721.85	29.86	20.65	701.20	--	--
		4/24/2007	721.85	29.86	20.98	700.87	--	--
		5/17/2007	721.85	29.86	20.71	701.14	--	--
		6/26/2007	721.85	29.86	26.03	695.82	--	--
		7/24/2007	721.85	30.03	21.71	700.14	--	--
		8/20/2007	721.85	30.03	21.90	699.95	--	--
		10/8/2007	721.85	30.08	21.26	700.59	--	--
		10/22/2007	721.85	30.08	21.91	699.94	--	--
		11/15/2007	721.85	30.08	21.20	700.65	--	--
		12/13/2007	721.85	30.13	21.78	700.07	--	--
		1/18/2008	721.85	NM	NM	NM	--	Sheen
		2/7/2008	721.85	NM	NM	NM	--	Sheen
		3/10/2008	721.85	NM	NM	NM	--	Sheen
		5/20/2008	721.85	NM	20.30	701.55	--	--
		12/10/2008	721.85	NM	20.93	700.92	--	--
		4/7/2009	721.85	30.19	19.20	702.65	--	--
		9/25/2009	721.85	NM	NM	NM	NM	NM
		11/2/2009	721.85	NM	NM	NM	--	--
		2/22/2010	721.85	30.10	21.11	700.74	--	--
		3/23/2010	721.85	NM	20.18	701.67	--	--
		5/24/2010	721.85	30.20	19.71	702.14	--	--
		10/14/2010	721.85	NM	21.68	700.17	--	--
	MW-0412-S2	5/18/2004	721.85	NM	19.20	702.65	--	--
		6/24/2004	721.85	28.65	22.58	699.27	22.50	0.08
		11/19/2004	721.85	30.00	19.11	702.74	--	--
		1/31/2005	721.85	28.65	20.59	701.26	--	--
		2/24/2005	721.85	28.65	18.41	703.44	--	--
		3/29/2005	721.85	28.65	18.93	702.92	--	--
		4/28/2005	721.85	28.65	18.12	703.73	--	--
		5/31/2005	721.85	28.65	21.89	699.96	--	--
		6/29/2005	721.85	28.65	Dry	Dry	--	--
		7/29/2005	721.85	28.70	19.34	702.51	--	--
		8/31/2005	721.85	28.70	19.59	702.26	--	--
		9/30/2005	721.85	28.65	19.09	702.76	--	--
		10/31/2005	721.85	28.65	19.80	702.05	--	--
		11/29/2005	721.85	28.65	19.06	702.79	--	--
		12/22/2005	721.85	28.65	19.79	702.06	--	--
		1/31/2006	721.85	28.65	22.50	699.35	22.36	0.14
		2/28/2006	721.85	28.65	19.71	702.14	19.70	0.01
		3/30/2006	721.85	28.65	18.64	703.21	--	Sheen
		4/10/2006	721.85	28.65	18.69	703.16	--	Sheen
		4/28/2006	721.85	28.65	18.52	703.33	--	Sheen
		5/30/2006	721.85	28.65	18.72	703.13	--	Sheen
		6/26/2006	721.85	28.65	18.84	703.01	--	Sheen

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		8/16/2006	721.85	NA	NA	NA	NA	NA
		8/29/2006	721.85	28.62	25.28	696.57	22.36	2.92
		9/26/2006	721.85	28.62	23.10	698.75	22.72	0.38
		10/18/2006	721.85	28.62	24.19	697.66	22.51	1.68
		11/23/2006	721.85	28.62	24.18	697.67	22.84	1.34
		12/18/2006	721.85	28.62	23.22	698.63	21.76	1.46
		1/16/2007	721.85	28.62	18.95	702.90	18.59	0.36
		2/22/2007	721.85	28.62	18.74	703.11	18.57	0.17
		3/20/2007	721.85	28.62	18.56	703.29	18.36	0.20
		4/24/2007	721.85	28.62	18.78	703.07	18.67	0.11
		5/17/2007	721.85	28.62	18.61	703.24	18.34	0.27
		6/26/2007	721.85	28.62	26.54	695.31	26.21	0.33
		10/8/2007	721.85	28.59	22.30	699.55	21.55	0.75
		12/13/2007	721.85	28.59	22.15	699.70	--	--
		1/18/2008	721.85	NM	21.78	700.07	20.65	1.13
		7/31/2008	721.85	28.63	22.02	699.83	20.87	1.15
		8/27/2008	721.85	28.54	21.83	700.02	20.75	1.08
		9/25/2008	721.85	NM	NM	NM	NM	NM
		10/29/2008	721.85	28.61	22.79	699.06	22.65	0.14
		11/24/2008	721.85	NM	22.86	698.99	22.75	0.11
		12/10/2008	721.85	NM	21.61	700.24	20.85	0.76
		1/26/2009	721.85	NM	22.78	NM	22.56	0.22
		3/24/2009	721.85	NM	22.84	NM	22.76	0.08
		4/7/2009	721.85	28.71	20.63	701.45	20.36	0.27
		9/25/2009	721.85	NM	NM	NM	NM	NM
		11/2/2009	721.85	NM	21.31	700.55	21.30	0.01
		12/18/2009	721.85	NM	23.45	698.40	23.01	0.44
		2/22/2010	721.85	28.60	19.90	--	19.90	GLOBULES/SHEEN
		3/23/2010	721.85	NM	19.85	702.00	19.85	GLOBULES/SHEEN
		5/24/2010	721.85	28.70	19.62	702.23	--	Globules
		8/23/2010	721.85	NM	20.35	701.50	--	--
		10/14/2010	721.85	NM	28.44	693.86	27.89	0.55
		11/18/2010	721.85	NM	21.31	700.54	--	--
		12/6/2010	721.85	NM	21.71	700.14	--	--
	MW-0611-S1	3/2/2006	722.09	23.05	18.78	703.31	18.54	0.24
		3/30/2006	722.09	23.05	15.61	706.48	15.53	0.08
		4/10/2006	722.09	23.05	15.69	706.40	--	Sheen
		4/28/2006	722.09	23.05	15.51	706.58	--	Sheen
		5/30/2006	722.09	23.05	15.82	706.27	--	Sheen
		6/26/2006	722.09	23.05	15.84	706.25	15.70	0.14
		8/16/2006	722.09	NA	NA	NA	NA	NA
		8/29/2006	722.09	23.15	15.37	706.72	--	--
		9/26/2006	722.09	23.15	15.95	706.14	15.92	0.03
		10/18/2006	722.09	23.15	16.04	706.05	15.97	0.07
		11/23/2006	722.09	23.15	15.77	706.32	15.58	0.19
		12/18/2006	722.09	23.15	15.50	706.59	15.45	0.05
		1/16/2007	722.09	22.87	14.90	707.19	--	--
		2/2/2007	722.09	22.87	14.74	707.35	--	--
		2/22/2007	722.09	22.87	14.67	707.42	--	--
		3/20/2007	722.09	22.87	15.04	707.05	--	--
		4/24/2007	722.09	22.87	15.61	706.48	--	--
		5/17/2007	722.09	22.87	15.65	706.44	--	--
		6/26/2007	722.09	22.87	19.12	702.97	--	--
		10/8/2007	722.09	23.06	16.13	705.96	--	--
		12/13/2007	722.09	23.15	16.25	705.84	--	--
		1/18/2008	722.09	NM	NM	NM	--	0.01
		2/8/2008	722.09	NM	NM	NM	--	0.03
		3/10/2008	722.09	NM	NM	NM	--	0.02
		4/7/2008	722.09	NM	NM	NM	--	0.02
		5/20/2008	722.09	NM	NM	NM	--	--
		6/26/2008	722.09	NM	15.56	706.53	15.55	0.01
		7/31/2008	722.09	23.12	15.56	706.53	15.56	Sheen
		8/27/2008	722.09	23.51	15.04	707.05	14.98	0.06
		9/25/2008	722.09	NM	NM	NM	NM	NM
		10/29/2008	722.09	23.52	15.29	706.80	15.21	0.08
		11/24/2008	722.09	NM	15.97	706.12	15.89	0.08
		12/10/2008	722.09	NM	15.19	706.90	--	--
		1/26/2009	722.09	NM	16.03	NM	15.91	0.12
		3/24/2009	722.09	NM	16.01	NM	15.89	0.12
		4/7/2009	722.09	23.20	14.93	707.16	--	--
		11/2/2009	722.09	23.26	15.48	706.61	--	--
		2/22/2010	722.09	23.10	15.22	706.87	--	--
		3/23/2010	722.09	NM	15.20	706.89	--	--
		5/24/2010	722.09	23.21	15.22	706.87	--	--
		8/23/2010	722.09	NM	14.95	707.14	--	--
		10/14/2010	722.09	23.03	15.89	706.20	--	--
		11/18/2010	722.09	23.20	16.05	706.04	--	--
	MW-0629-S3	9/25/2009	721.31	74.00	27.33	693.98	--	--
		11/2/2009	721.31	73.80	24.91	696.40	--	--
		8/3/2010	721.31	75.25	26.05	695.26	--	--
		10/14/2010	721.31	NM	26.98	694.33	--	--
	MW-0709-S2	1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	22.33	NM	--	--
		2/10/2009	720.03	26.25	22.21	697.82	--	--
		3/27/2009	720.03	26.40	19.08	700.95	--	--
		4/7/2009	720.03	26.35	19.06	700.97	--	--
		9/25/2009	720.03	26.50	19.62	700.41	--	--
		11/2/2009	720.03	26.33	17.99	702.04	--	--
		4/30/2010	720.03	26.76	17.19	702.84	--	--
		10/14/2010	720.03	NM	22.72	697.31	--	--
	MW-0803-S3	9/25/2009	720.11	43.75	26.41	693.70	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/2/2009	720.11	64.04	25.64	694.47	--	--
		8/3/2010	720.11	64.25	24.78	695.33	--	--
		10/14/2010	720.11	63.40	25.73	694.38	--	--
AOI 33	MW-0633-S2	9/25/2009	721.79	NM	NM	NM	NM	NM
		11/2/2009	721.79	NM	NM	NM	NM	NM
		10/14/2010	721.79	23.00	18.99	702.80	--	--
	MW-0634-S2B	9/25/2009	719.66	36.43	12.99	706.67	--	--
		11/2/2009	719.66	36.43	12.77	706.89	--	--
		4/30/2010	719.66	36.49	12.79	706.87	--	--
		10/14/2010	719.66	36.40	14.07	705.59	--	--
AOI 40	BW-10	5/16/2001	721.23	NM	30.65	690.58	--	--
		8/17/2001	721.23	37.30		Dry	Dry	Dry
		3/14/2002	721.23	NM	30.75	690.48	--	--
		4/16/2002	721.23	36.48	33.86	687.37	--	--
		5/24/2002	721.23	36.50	34.35	686.88	--	--
		6/27/2002	721.23	36.45	28.51	692.72	28.50	0.01
		7/22/2002	721.23	36.23	33.26	687.97	33.25	0.01
		8/15/2002	721.23	36.25	24.05	697.18	--	--
		9/17/2002	721.23	36.20	33.10	688.13	--	--
		10/29/2002	721.23	36.23	34.20	687.03	--	--
		11/22/2002	721.23	35.50	33.05	688.18	--	--
		12/18/2002	721.23	NM	34.68	686.55	--	--
		1/21/2003	721.23	36.23	33.79	687.44	--	--
		2/26/2003	721.23	36.23	33.11	688.12	--	--
		3/26/2003	721.23	36.23	34.10	687.13	--	--
		4/22/2003	721.23	35.39	26.76	694.47	--	--
		5/13/2003	721.23	35.33	24.15	697.08	--	--
		6/20/2003	721.23	30.95	27.11	694.12	--	--
		8/4/2003	721.23	35.95	32.76	688.47	32.75	0.01
		9/18/2003	721.23	35.75	33.65	687.58	--	--
		10/21/2003	721.23	35.50	31.32	689.91	--	--
		11/19/2003	721.23	NM	28.18	693.05	--	--
		12/17/2003	721.23	NM	28.56	692.67	--	--
		1/21/2004	721.23	35.50	29.39	691.84	--	--
		2/24/2004	721.23	36.25	33.10	688.13	--	--
		3/23/2004	721.23	36.23	26.67	694.56	--	--
		4/23/2004	721.23	NM	27.18	694.05	--	--
		5/19/2004	721.23	36.23	31.17	690.06	--	--
		6/24/2004	721.23	36.20	33.90	687.33	--	--
		8/31/2004	721.23	36.20	33.73	690.18	--	--
		9/30/2004	721.23	36.23	31.05	687.51	--	--
		10/28/2004	721.23	36.20	33.72	687.51	--	--
		11/19/2004	721.23	36.23	31.24	689.99	--	--
		12/7/2004	721.23	36.23	31.51	689.72	--	--
		1/31/2005	721.23	36.23	30.68	690.55	--	--
		2/24/2005	721.23	36.23	33.04	688.19	--	--
		3/29/2005	721.23	36.23	31.18	690.05	--	--
		4/28/2005	721.23	36.23	33.22	688.01	--	--
		5/31/2005	721.23	36.23	28.92	692.31	--	--
		6/29/2005	721.23	36.23	27.31	693.92	--	--
		7/29/2005	721.23	33.15	31.13	690.10	--	--
		8/31/2005	721.23	33.15	31.38	689.85	--	--
		9/30/2005	721.23	36.91	30.99	690.24	--	--
		10/31/2005	721.23	35.14	28.82	692.41	--	--
		11/29/2005	721.23	36.20	29.12	692.11	--	--
		12/22/2005	721.23	36.91	30.74	690.49	--	--
		1/31/2006	721.23	36.23	28.20	693.03	--	Sheen
		2/28/2006	721.23	36.23	31.96	689.27	--	Sheen
		3/30/2006	721.23	36.23	33.32	687.91	--	Sheen
		4/28/2006	721.23	36.23	32.84	688.39	--	Sheen
		5/30/2006	721.23	36.23	29.75	691.48	--	Sheen
		6/26/2006	721.23	36.23	30.75	690.48	--	Sheen
		8/16/2006	721.23	35.49	29.48	691.75	--	--
		8/29/2006	721.23	36.11	27.50	693.73	--	Sheen
		9/26/2006	721.23	36.11	26.42	694.81	--	Sheen
		10/18/2006	721.23	36.11	26.19	695.04	--	Sheen
		11/23/2006	721.23	36.11	26.04	695.19	--	Sheen
		12/18/2006	721.23	36.11	25.71	695.52	--	Sheen
		1/16/2007	721.23	36.11	29.15	692.08	--	--
		2/22/2007	721.23	36.11	29.03	692.20	--	--
		3/20/2007	721.23	36.11	32.80	688.43	--	--
		4/24/2007	721.23	36.11	31.58	689.65	--	--
		5/17/2007	721.23	36.11	30.50	690.73	--	--
		6/26/2007	721.23	36.11	NM	NM	--	--
		12/13/2007	721.23	36.00	33.81	687.42	--	--
		1/18/2008	721.23	NM	NM	NM	--	--
		5/19/2008	721.23	NM	29.90	691.33	--	--
		9/25/2008	721.23	NM	30.20	NM	--	Sheen
		12/10/2008	721.23	NM	27.67	693.56	--	--
		1/26/2009	721.23	38.00	27.91	693.33	27.90	0.01
		2/24/2009	721.23	38.00	29.35	691.99	29.22	0.13
		3/17/2009	721.23	38.00	27.81	693.42	--	--
		4/7/2009	721.23	38.00	29.70	691.53	--	--
		6/15/2009	721.23	36.38	27.11	694.12	--	--
		7/30/2009	721.23	NM	27.15	694.08	--	--
		8/26/2009	721.23	NM	29.52	691.71	--	--
		9/25/2009	721.23	36.38	31.25	689.98	--	--
		11/2/2009	721.23	NM	31.11	690.12	31.11	--
		12/18/2009	721.23	NM	31.57	689.66	31.56	0.01
		1/22/2010	721.23	NM	31.57	689.66	--	--
		2/22/2010	721.23	NM	28.32	692.91	--	--
		3/23/2010	721.23	NM	28.68	692.57	28.65	0.03

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/24/2010	721.23	NM	33.08	688.15	--	--
		7/20/2010	721.23	NM	33.94	687.29	--	--
		8/23/2010	721.23	NM	34.08	687.15	--	--
		10/14/2010	721.23	NM	33.14	688.09	33.05	0.09
		11/18/2010	721.23	NM	30.52	690.71	--	--
		12/6/2010	721.23	NM	30.55	690.85	30.35	0.20
	BW-11	12/10/2008	NM	NM	22.91	NM	22.89	0.02
		2/22/2010	723.88	33.11	22.47	701.46	22.41	0.06
		3/23/2010	723.88	NM	22.45	701.50	22.37	0.08
		5/24/2010	723.88	NM	22.32	701.81	22.02	0.30
		8/23/2010	723.88	NM	25.51	699.30	24.38	1.13
		10/14/2010	723.88	NM	28.59	695.38	28.48	0.11
		11/18/2010	723.88	NM	23.37	700.56	23.31	0.06
		12/6/2010	723.88	NM	23.05	700.87	23.00	0.05
	BW-12	12/10/2008	NM	NM	25.31	NM	23.12	2.19
		2/22/2010	722.17	33.00	21.16	701.09	21.06	0.10
		3/23/2010	722.17	NM	21.22	701.04	21.11	0.11
		5/24/2010	722.17	NM	21.06	701.24	20.90	0.16
		8/23/2010	722.17	NM	23.95	698.96	23.05	0.90
		10/14/2010	722.17	NM	28.36	693.98	28.16	0.20
		11/18/2010	722.17	NM	25.42	697.17	24.91	0.51
		12/6/2010	722.17	NM	24.20	698.80	23.20	1.00
	BW-4	6/24/2004	NM	43.10	24.85	NM	24.80	0.05
		1/18/2008	NM	NM	21.80	NM	21.76	0.04
		12/10/2008	NM	NM	22.49	NM	22.48	0.01
		2/22/2010	726.25	39.25	23.57	702.73	23.51	0.06
		3/23/2010	726.25	NM	21.62	704.70	21.53	0.09
		5/24/2010	726.25	NM	21.39	704.91	21.33	0.06
		8/23/2010	726.25	NM	24.57	701.69	24.56	0.01
		10/14/2010	726.25	NM	29.75	696.52	29.73	0.02
		11/18/2010	726.25	NM	22.45	703.80	--	--
		12/6/2010	726.25	NM	21.95	704.30	--	--
	BW-5	5/16/2001	722.02	NM	28.06	693.96	--	--
		8/17/2001	722.02	38.00	30.20	691.82	30.18	0.02
		12/17/2001	722.02	NM	29.44	692.58	29.43	0.01
		3/14/2002	722.02	NM	30.20	691.82	--	--
		4/16/2002	722.02	35.30	29.70	692.32	29.68	0.02
		5/24/2002	722.02	35.12	27.80	694.22	26.80	1.00
		6/27/2002	722.02	35.14	30.19	691.83	30.18	0.01
		7/22/2002	722.02	35.52	33.60	688.42	33.50	0.10
		8/15/2002	722.02	35.55	34.40	687.62	--	--
		9/17/2002	722.02	35.50	34.40	687.62	--	--
		10/29/2002	722.02	35.52	34.55	687.47	--	--
		11/22/2002	722.02	35.60	29.73	692.29	29.72	0.01
		12/18/2002	722.02	35.59	33.79	688.23	--	--
		1/21/2003	722.02	35.52	33.51	688.51	33.50	0.01
		2/26/2003	722.02	35.52	31.81	690.21	--	--
		3/26/2003	722.02	35.52	32.94	689.08	--	--
		4/22/2003	722.02	35.57	33.67	688.35	--	--
		5/13/2003	722.02	35.54	34.33	687.69	--	--
		6/20/2003	722.02	35.50	27.87	694.15	--	--
		8/4/2003	722.02	35.45	34.00	688.02	33.99	0.01
		9/18/2003	722.02	35.46	34.45	687.57	--	--
		10/21/2003	722.02	35.42	34.46	687.56	--	--
		11/19/2003	722.02	NM	29.11	692.91	--	--
		12/17/2003	722.02	NM	29.49	692.53	--	--
		1/21/2004	722.02	35.42	29.32	692.70	--	--
		2/24/2004	722.02	35.43	32.12	689.90	--	--
		3/23/2004	722.02	35.52	33.58	688.44	--	--
		4/23/2004	722.02	NM	28.74	693.28	--	--
		5/19/2004	722.02	35.52	29.34	692.68	--	--
		6/24/2004	722.02	35.46	28.30	693.72	--	--
		8/31/2004	722.02	35.46	28.43	693.59	--	--
		9/30/2004	722.02	35.52	29.29	692.73	--	--
		10/28/2004	722.02	35.46	28.07	693.95	--	--
		11/19/2004	722.02	35.52	29.48	692.54	--	--
		12/7/2004	722.02	35.52	29.75	692.27	--	--
		1/31/2005	722.02	35.52	29.91	692.11	--	--
		2/24/2005	722.02	35.52	27.49	694.53	--	--
		3/29/2005	722.02	35.52	29.28	692.74	--	--
		4/28/2005	722.02	35.52	30.46	691.56	--	--
		5/31/2005	722.02	35.52	33.21	688.81	--	--
		6/29/2005	722.02	35.52	31.87	690.15	--	--
		7/29/2005	722.02	35.26	28.22	693.80	28.18	0.04
		8/31/2005	722.02	35.26	28.47	693.55	--	--
		9/30/2005	722.02	35.52	29.41	692.61	--	--
		10/31/2005	722.02	35.46	28.71	693.31	--	--
		11/29/2005	722.02	35.46	28.52	693.50	--	--
		12/22/2005	722.02	35.52	29.19	692.83	--	--
		1/31/2006	722.02	35.52	30.14	691.88	--	Sheen
		2/28/2006	722.02	35.52	31.47	690.55	--	Sheen
		3/30/2006	722.02	35.52	33.67	688.35	--	Sheen
		4/28/2006	722.02	35.52	30.38	691.64	--	Sheen
		5/30/2006	722.02	35.52	31.11	690.91	--	Sheen
		6/26/2006	722.02	35.52	29.86	692.16	--	Sheen
		8/16/2006	722.02	35.32	27.72	694.30	--	--
		8/29/2006	722.02	35.45	33.35	688.67	--	Sheen
		9/26/2006	722.02	35.45	27.51	694.51	--	Sheen
		10/18/2006	722.02	35.45	27.56	694.46	--	Sheen
		11/23/2006	722.02	35.45	26.50	695.52	--	Sheen
		12/18/2006	722.02	35.45	26.23	695.79	--	Sheen
		1/16/2007	722.02	35.45	24.31	697.71	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		2/22/2007	722.02	35.45	23.97	698.05	--	--
		3/20/2007	722.02	35.45	32.81	689.21	--	--
		4/24/2007	722.02	35.45	29.75	692.27	--	--
		5/17/2007	722.02	35.45	29.61	692.41	--	--
		6/26/2007	722.02	35.45	29.96	692.06	--	--
		12/13/2007	722.02	35.72	29.44	692.58	--	--
		1/18/2008	722.02	NM	NM	722.02	--	0.04
		5/19/2008	722.02	NM	28.65	693.37	28.61	--
		9/25/2008	722.02	NM	31.13	690.89	--	Sheen
		12/10/2008	722.02	NM	27.92	694.10	--	--
		1/26/2009	722.02	35.00	33.32	688.70	--	--
		2/24/2009	722.02	35.00	34.37	687.65	--	--
		3/17/2009	722.02	35.00	29.86	692.16	29.85	0.01
		4/7/2009	722.02	35.00	32.91	689.12	32.90	0.01
		6/15/2009	722.02	34.50	29.31	692.80	29.20	0.11
		7/30/2009	722.02	NM	29.31	692.71	29.00	0.31
		8/26/2009	722.02	NM	34.15	687.87	--	--
		9/25/2009	722.02	34.50	31.20	690.82	31.10	0.10
		11/2/2009	722.02	NM	31.21	690.81	31.06	0.15
		12/18/2009	722.02	NM	31.20	690.82	31.08	0.12
		1/22/2010	722.02	NM	31.20	690.82	--	--
		2/22/2010	722.02	NM	33.57	688.45	--	--
		3/23/2010	722.02	NM	33.10	688.92	--	--
		5/24/2010	722.02	NM	29.40	692.62	--	--
		7/20/2010	722.02	NM	34.05	687.97	--	--
		8/23/2010	722.02	NM	30.04	691.98	--	--
		10/14/2010	722.02	NM	32.25	689.77	--	--
		11/18/2010	722.02	NM	32.22	689.80	--	--
		12/6/2010	722.02	NM	32.40	689.62	--	--
	BW-6	5/16/2001	721.71	NM	27.26	694.45	--	--
		8/17/2001	721.71	36.50	Dry	Dry	--	Dry
		12/17/2001	721.71	NM	29.65	692.06	29.64	0.01
		3/14/2002	721.71	NM	30.35	691.36	--	--
		4/16/2002	721.71	35.40	27.98	693.73	27.97	0.01
		5/24/2002	721.71	35.10	24.59	697.12	--	--
		6/27/2002	721.71	35.22	27.67	694.04	27.66	0.01
		7/22/2002	721.71	35.25	33.62	688.09	33.61	0.01
		8/15/2002	721.71	35.20	32.60	689.11	--	--
		9/17/2002	721.71	35.15	33.70	688.01	33.69	0.01
		10/29/2002	721.71	35.25	33.70	688.01	--	--
		11/22/2002	721.71	35.80	33.75	687.96	--	--
		12/18/2002	721.71	34.80	33.89	687.82	--	--
		1/21/2003	721.71	35.25	33.40	688.31	--	--
		2/26/2003	721.71	35.25	32.73	688.98	--	--
		3/26/2003	721.71	35.25	33.21	688.50	--	--
		4/22/2003	721.71	34.64	30.46	691.25	--	--
		5/13/2003	721.71	34.74	33.74	687.97	--	--
		6/20/2003	721.71	34.53	27.84	693.87	--	--
		8/4/2003	721.71	34.95	32.96	688.75	32.95	0.01
		9/18/2003	721.71	34.98	32.86	688.85	--	--
		10/21/2003	721.71	34.64	33.53	688.18	--	--
		11/19/2003	721.71	NM	29.32	692.39	--	--
		12/17/2003	721.71	NM	29.70	692.01	--	--
		1/21/2004	721.71	34.64	29.53	692.18	--	--
		2/24/2004	721.71	35.25	32.67	689.04	--	--
		3/23/2004	721.71	35.25	30.37	691.34	--	--
		4/23/2004	721.71	NM	28.95	692.76	--	--
		5/19/2004	721.71	35.25	29.55	692.16	--	--
		6/24/2004	721.71	35.06	33.40	688.31	--	--
		8/31/2004	721.71	35.06	33.27	686.65	--	--
		9/30/2004	721.71	35.25	29.93	686.46	--	--
		10/28/2004	721.71	35.06	33.17	688.54	--	--
		11/19/2004	721.71	35.25	30.12	691.59	--	--
		12/7/2004	721.71	35.25	30.39	691.32	--	--
		1/31/2005	721.71	35.25	30.87	690.84	--	--
		2/24/2005	721.71	35.25	32.56	689.15	--	--
		3/29/2005	721.71	35.25	28.67	693.04	--	--
		4/28/2005	721.71	35.25	28.14	693.57	--	--
		5/31/2005	721.71	35.25	32.55	689.16	--	--
		6/29/2005	721.71	35.25	33.17	688.54	--	--
		7/29/2005	721.71	35.00	27.47	694.24	--	--
		8/31/2005	721.71	35.00	27.72	693.99	--	--
		9/30/2005	721.71	35.25	30.27	691.44	--	--
		10/31/2005	721.71	35.06	28.10	693.61	--	--
		11/29/2005	721.71	35.06	30.67	691.04	--	--
		12/22/2005	721.71	35.25	29.81	691.90	--	--
		1/31/2006	721.71	35.25	32.67	689.04	--	Sheen
		2/28/2006	721.71	35.25	30.62	691.09	--	Sheen
		3/30/2006	721.71	35.25	30.46	691.25	--	Sheen
		4/28/2006	721.71	35.25	28.72	692.99	--	Sheen
		5/30/2006	721.71	35.25	30.57	691.14	--	Sheen
		6/26/2006	721.71	35.25	29.91	691.80	--	Sheen
		8/16/2006	721.71	33.25	28.71	693.00	--	--
		8/29/2006	721.71	35.16	27.61	694.10	--	Sheen
		9/26/2006	721.71	35.16	27.00	694.71	--	Sheen
		10/18/2006	721.71	35.16	27.04	694.67	--	Sheen
		11/23/2006	721.71	35.16	26.37	695.34	--	Sheen
		12/18/2006	721.71	35.16	26.11	695.60	--	Sheen
		1/16/2007	721.71	35.16	28.45	693.26	--	--
		2/22/2007	721.71	35.16	27.82	693.89	--	--
		3/20/2007	721.71	35.16	29.61	692.10	--	--
		4/24/2007	721.71	35.16	28.05	693.66	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/17/2007	721.71	35.16	29.69	692.02	--	--
		6/26/2007	721.71	35.16	NM	--	NM	--
		12/13/2007	721.71	35.70	29.44	692.27	--	--
		1/18/2008	721.71	NM	NM	NM	--	--
		5/19/2008	721.71	NM	27.55	694.16	--	--
		9/25/2008	721.71	NM	33.52	688.19	33.50	0.02
		12/10/2008	721.71	NM	30.71	691.00	30.42	0.29
		1/26/2009	721.71	37.00	33.73	687.98	--	--
		2/24/2009	721.71	37.00	29.78	691.96	29.76	0.02
		3/17/2009	721.71	37.00	27.28	694.43	--	--
		4/7/2009	721.71	37.00	32.80	688.91	--	--
		6/15/2009	721.71	35.64	29.82	691.89	29.82	0.00
		7/30/2009	721.71	NM	29.93	691.78	29.85	0.08
		8/26/2009	721.71	NM	31.16	690.55	--	--
		9/25/2009	721.71	35.64	31.91	689.80	31.85	0.06
		11/2/2009	721.71	NM	31.98	689.73	31.91	0.07
		12/18/2009	721.71	NM	31.91	689.80	31.02	0.89
		1/22/2010	721.71	NM	31.91	689.80	--	--
		2/22/2010	721.71	NM	32.52	689.19	--	--
		3/23/2010	721.71	NM	28.55	693.16	28.55	0.00
		5/24/2010	721.71	NM	29.86	691.85	29.86	0.00
		7/20/2010	721.71	NM	33.73	687.98	--	--
		8/23/2010	721.71	NM	32.72	688.99	--	--
		10/14/2010	721.71	NM	34.10	687.61	--	--
		11/18/2010	721.71	NM	33.92	687.79	--	--
		12/6/2010	721.71	NM	33.20	688.51	--	--
	BW-7	5/16/2001	722.34	NM	33.40	688.94	--	--
		8/17/2001	722.34	37.10	Dry	Dry	--	--
		3/14/2002	722.34	NM	28.90	693.44	--	--
		4/16/2002	722.34	37.00	34.35	687.99	--	--
		5/24/2002	722.34	36.35	32.01	690.33	31.20	0.81
		6/27/2002	722.34	36.30	32.01	690.33	32.00	0.01
		7/22/2002	722.34	36.40	35.41	686.93	35.40	0.01
		8/15/2002	722.34	36.35	35.62	686.72	--	--
		9/17/2002	722.34	36.30	35.00	687.34	--	--
		10/29/2002	722.34	36.40	35.20	687.14	34.85	0.35
		11/22/2002	722.34	36.40	35.10	687.24	--	--
		12/18/2002	722.34	36.40	36.23	686.11	--	--
		1/21/2003	722.34	36.40	33.31	689.03	--	--
		2/26/2003	722.34	36.40	28.10	694.24	27.89	0.21
		3/26/2003	722.34	35.41	34.56	687.78	--	--
		4/22/2003	722.34	36.40	27.65	694.69	--	--
		5/13/2003	722.34	36.50	34.72	687.62	--	--
		6/20/2003	722.34	35.44	27.73	694.61	27.72	0.01
		8/4/2003	722.34	36.41	34.97	687.37	34.96	0.01
		9/18/2003	722.34	36.42	35.10	687.24	--	--
		10/21/2003	722.34	36.46	32.81	689.53	--	--
		11/19/2003	722.34	NM	32.55	689.79	--	--
		12/17/2003	722.34	NM	32.39	689.95	--	--
		1/21/2004	722.34	36.46	29.76	692.58	--	--
		2/24/2004	722.34	36.42	28.52	693.82	--	--
		3/23/2004	722.34	36.40	27.56	694.78	--	--
		4/23/2004	722.34	NM	33.18	689.16	--	--
		5/19/2004	722.34	36.40	28.92	693.42	--	--
		6/24/2004	722.34	36.30	34.20	688.14	--	--
		8/31/2004	722.34	36.30	33.89	688.45	--	--
		9/30/2004	722.34	36.40	28.70	693.64	--	--
		10/28/2004	722.34	36.30	33.97	688.37	--	--
		11/19/2004	722.34	36.40	28.89	693.45	--	--
		12/7/2004	722.34	36.40	29.16	693.18	--	--
		1/31/2005	722.34	36.40	29.12	693.22	--	--
		2/24/2005	722.34	36.40	27.21	695.13	--	--
		3/29/2005	722.34	36.40	30.34	692.00	--	--
		4/28/2005	722.34	36.40	31.22	691.12	--	--
		5/31/2005	722.34	36.40	28.73	693.61	--	--
		6/29/2005	722.34	36.40	32.91	689.43	--	--
		7/29/2005	722.34	36.17	29.08	693.26	--	--
		8/31/2005	722.34	36.17	29.33	693.01	--	--
		9/30/2005	722.34	36.40	27.91	694.43	--	--
		10/31/2005	722.34	36.30	29.93	692.41	--	--
		11/29/2005	722.34	36.30	28.97	693.37	--	--
		12/22/2005	722.34	36.40	27.63	694.71	--	--
		1/31/2006	722.34	36.40	27.43	694.91	--	Sheen
		2/28/2006	722.34	36.40	29.45	692.89	--	Sheen
		3/30/2006	722.34	36.40	31.22	691.12	--	Sheen
		4/28/2006	722.34	36.40	30.67	691.67	--	Sheen
		5/30/2006	722.34	36.40	30.61	691.73	--	Sheen
		6/26/2006	722.34	36.40	31.39	690.95	--	Sheen
		8/16/2006	722.34	36.42	27.88	694.46	--	--
		8/29/2006	722.34	36.42	28.28	694.06	--	Sheen
		9/26/2006	722.34	36.42	28.02	694.32	--	Sheen
		10/18/2006	722.34	36.42	28.91	693.43	28.01	0.90
		11/23/2006	722.34	36.42	27.92	694.42	26.54	1.38
		12/18/2006	722.34	36.42	27.26	695.08	26.21	1.05
		1/16/2007	722.34	36.42	25.67	696.67	24.90	0.77
		2/22/2007	722.34	36.42	25.14	697.20	24.81	0.33
		3/20/2007	722.34	36.42	31.12	691.22	30.86	0.26
		4/24/2007	722.34	36.42	29.87	692.47	29.60	0.27
		5/17/2007	722.34	36.42	30.97	691.37	30.74	0.23
		6/26/2007	722.34	36.42	NM	NM	--	--
		12/13/2007	722.34	36.40	NM	NM	--	--
		1/18/2008	722.34	NM	NM	NM	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/19/2008	722.34	NM	29.60	692.74	29.35	0.25
		9/25/2008	722.34	NM	35.63	686.71	--	Sheen
		12/10/2008	722.34	NM	29.48	692.86	28.59	0.89
		1/26/2009	722.34	40.00	30.02	692.46	29.85	0.17
		2/24/2009	722.34	40.00	30.08	693.07	29.10	0.98
		3/17/2009	722.34	40.00	29.97	692.37	--	--
		4/7/2009	722.34	40.00	33.05	690.01	32.18	0.87
		6/15/2009	722.34	35.91	30.71	691.64	30.70	0.01
		7/30/2009	722.34	NM	30.70	691.64	30.70	--
		8/26/2009	722.34	NM	31.22	691.12	31.15	0.07
		9/25/2009	722.34	35.91	31.95	690.39	31.95	--
		11/2/2009	722.34	NM	31.91	690.43	31.86	0.05
		12/18/2009	722.34	NM	31.91	690.43	31.75	0.16
		1/22/2010	722.34	NM	31.91	690.43	--	--
		2/22/2010	722.34	NM	31.36	690.98	--	--
		3/23/2010	722.34	NM	30.96	692.79	29.25	1.71
		5/24/2010	722.34	NM	36.04	686.30	--	--
		7/20/2010	722.34	NM	31.55	691.20	31.06	0.49
		8/23/2010	722.34	NM	31.31	691.03	--	--
		10/14/2010	722.34	NM	31.44	690.90	30.99	0.45
		11/18/2010	722.34	NM	31.90	690.44	--	Slight Sheen
		12/6/2010	722.34	NM	31.85	690.49	--	--
	BW-8	5/16/2001	721.38	NM	30.76	690.62	--	--
		8/17/2001	721.38	36.70	29.65	691.73	29.45	0.20
		3/14/2002	721.38	NM	28.50	692.88	--	--
		4/16/2002	721.38	33.10	30.55	690.83	30.53	0.02
		5/24/2002	721.38	33.10	30.35	691.03	--	--
		6/27/2002	721.38	33.10	29.65	691.73	29.64	0.01
		7/22/2002	721.38	31.10	29.41	691.97	29.40	0.01
		8/15/2002	721.38	33.10	32.10	689.28	--	--
		9/17/2002	721.38	33.05	28.71	692.67	28.70	0.01
		10/29/2002	721.38	31.10	30.10	691.28	30.00	0.10
		11/22/2002	721.38	33.08	29.47	691.91	29.45	0.02
		12/18/2002	721.38	33.06	30.60	690.78	30.59	0.01
		1/21/2003	721.38	31.10	29.76	691.62	29.75	0.01
		2/26/2003	721.38	31.10	31.00	690.38	29.98	1.02
		3/26/2003	721.38	31.10	29.90	691.48	29.87	0.03
		4/22/2003	721.38	32.69	31.33	690.05	--	--
		5/13/2003	721.38	32.74	27.05	694.33	--	--
		6/20/2003	721.38	32.73	26.70	694.68	--	--
		8/4/2003	721.38	36.00	31.94	689.44	--	--
		9/18/2003	721.38	36.00	32.00	689.38	--	--
		10/21/2003	721.38	35.85	29.93	691.45	--	--
		11/19/2003	721.38	NM	30.10	691.28	--	--
		12/17/2003	721.38	NM	30.48	690.90	--	--
		1/21/2004	721.38	35.85	32.31	689.07	--	--
		2/24/2004	721.38	33.05	29.46	691.92	--	--
		3/23/2004	721.38	33.10	31.24	690.14	--	--
		4/23/2004	721.38	NM	29.73	691.65	--	--
		5/19/2004	721.38	35.95	32.24	689.14	--	--
		6/24/2004	721.38	35.90	32.20	689.18	--	--
		8/31/2004	721.38	35.90	32.04	689.34	--	--
		9/30/2004	721.38	35.95	32.08	689.30	--	--
		10/28/2004	721.38	35.90	31.91	689.47	--	--
		11/19/2004	721.38	35.95	32.27	689.11	--	--
		12/7/2004	721.38	35.95	32.54	688.84	--	--
		1/31/2005	721.38	35.95	29.76	691.62	--	--
		2/24/2005	721.38	35.95	31.73	689.65	--	--
		3/29/2005	721.38	35.95	29.95	691.43	--	--
		4/28/2005	721.38	35.95	30.14	691.24	--	--
		5/31/2005	721.38	35.95	27.89	693.49	--	--
		6/29/2005	721.38	35.95	28.43	692.95	--	--
		7/29/2005	721.38	30.83	29.81	691.57	--	--
		8/31/2005	721.38	30.83	30.06	691.32	--	--
		9/30/2005	721.38	35.95	31.65	689.73	--	--
		10/31/2005	721.38	35.90	28.38	693.00	--	--
		11/29/2005	721.38	35.90	28.41	692.97	--	--
		12/22/2005	721.38	35.95	31.31	690.07	--	--
		1/31/2006	721.38	35.95	31.91	689.47	--	Sheen
		2/28/2006	721.38	35.95	30.21	691.17	--	Sheen
		3/30/2006	721.38	35.95	30.14	691.24	--	Sheen
		4/28/2006	721.38	35.95	29.95	691.43	--	Sheen
		5/30/2006	721.38	35.95	28.56	692.82	--	Sheen
		6/26/2006	721.38	35.95	29.99	691.39	--	Sheen
		8/16/2006	721.38	36.00	28.91	692.47	--	--
		8/29/2006	721.38	31.22	27.03	694.35	--	Sheen
		9/26/2006	721.38	31.22	26.71	694.67	--	Sheen
		10/18/2006	721.38	31.22	26.82	694.56	26.81	0.01
		11/23/2006	721.38	31.22	25.63	695.75	--	Sheen
		12/18/2006	721.38	31.22	25.25	696.13	25.23	0.02
		1/16/2007	721.38	31.22	23.89	697.49	--	--
		2/22/2007	721.38	31.22	23.81	697.57	--	--
		3/20/2007	721.38	31.22	29.74	691.64	--	Sheen
		4/24/2007	721.38	31.22	29.78	691.60	--	--
		5/17/2007	721.38	31.22	29.64	691.74	--	--
		6/26/2007	721.38	31.22	NM	NM	--	--
		12/13/2007	721.38	36.04	29.95	691.43	29.93	0.02
		1/18/2008	721.38	NM	NM	NM	--	--
		5/19/2008	721.38	NM	29.70	691.68	--	--
		9/25/2008	721.38	NM	33.91	687.47	33.90	0.01
		12/10/2008	721.38	NM	31.07	690.31	--	--
		1/26/2009	721.38	37.00	33.07	688.38	32.99	0.08

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		2/24/2009	721.38	37.00	29.90	692.29	28.92	0.98
		3/17/2009	721.38	37.00	32.94	688.44	--	--
		4/7/2009	721.38	37.00	29.65	691.81	29.55	0.10
		6/15/2009	721.38	35.09	31.68	691.17	29.90	1.78
		7/30/2009	721.38	NM	30.10	691.28	29.56	0.54
		8/26/2009	721.38	NM	31.09	690.29	29.96	1.13
		9/25/2009	721.38	35.09	31.10	690.28	31.06	0.04
		11/2/2009	721.38	NM	31.02	690.36	30.92	0.10
		12/18/2009	721.38	NM	31.10	690.28	31.06	0.04
		1/22/2010	721.38	NM	31.10	690.28	--	--
		2/22/2010	721.38	NM	31.49	690.69	30.52	0.97
		3/23/2010	721.38	NM	29.91	692.13	29.11	0.80
		5/24/2010	721.38	NM	30.85	690.53	--	--
		7/20/2010	721.38	NM	30.14	691.60	29.70	0.44
		8/23/2010	721.38	NM	30.55	690.83	--	--
		10/14/2010	721.38	NM	33.08	688.30	--	--
		11/18/2010	721.38	NM	31.31	690.24	31.11	0.20
		12/6/2010	721.38	NM	31.42	691.13	30.01	1.41
	BW-9	5/16/2001	720.36	NM	26.80	693.56	--	--
		8/17/2001	720.36	34.50	30.80	689.56	30.78	0.02
		3/14/2002	720.36	NM	31.91	688.45	--	--
		4/16/2002	720.36	33.72	31.26	689.10	31.25	0.01
		5/24/2002	720.36	33.70	23.42	696.94	--	--
		6/27/2002	720.36	33.73	30.45	689.91	30.44	0.01
		7/22/2002	720.36	33.71	30.62	689.74	30.61	0.01
		8/15/2002	720.36	33.78	30.10	690.26	--	--
		9/17/2002	720.36	33.71	30.35	690.01	30.34	0.01
		10/29/2002	720.36	33.71	30.50	689.86	--	--
		11/22/2002	720.36	31.35	30.95	689.41	--	--
		12/18/2002	720.36	NM	33.76	686.60	--	--
		1/21/2003	720.36	33.71	30.72	689.64	30.71	0.01
		2/26/2003	720.36	33.71	29.41	690.95	--	--
		3/26/2003	720.36	33.71	29.93	690.43	--	--
		4/22/2003	720.36	33.66	30.12	690.24	--	--
		5/13/2003	720.36	33.70	31.15	689.21	--	--
		6/20/2003	720.36	28.59	25.40	694.96	--	--
		8/4/2003	720.36	33.70	31.46	688.90	31.45	0.01
		9/18/2003	720.36	33.70	31.46	688.90	--	--
		10/21/2003	720.36	33.82	31.46	688.90	--	--
		11/19/2003	720.36	NM	29.49	690.87	--	--
		12/17/2003	720.36	NM	29.87	690.49	--	--
		1/21/2004	720.36	33.82	30.70	689.66	--	--
		2/24/2004	720.36	33.71	30.32	690.04	--	--
		3/23/2004	720.36	33.70	30.03	690.33	--	--
		4/23/2004	720.36	NM	29.12	691.24	--	--
		5/19/2004	720.36	33.71	29.72	690.64	--	--
		6/24/2004	720.36	33.70	31.50	688.86	--	--
		8/31/2004	720.36	33.70	31.36	686.66	--	--
		9/30/2004	720.36	33.71	29.72	686.65	--	--
		10/28/2004	720.36	33.70	31.24	689.12	--	--
		11/19/2004	720.36	33.71	29.91	690.45	--	--
		12/7/2004	720.36	33.71	30.18	690.18	--	--
		1/31/2005	720.36	33.71	31.14	689.22	--	--
		2/24/2005	720.36	33.71	30.27	690.09	--	--
		3/29/2005	720.36	33.71	30.67	689.69	--	--
		4/28/2005	720.36	33.71	27.64	692.72	--	--
		5/31/2005	720.36	33.71	29.53	690.83	--	--
		6/29/2005	720.36	33.71	27.24	693.12	--	--
		7/29/2005	720.36	33.72	31.50	688.86	--	--
		8/31/2005	720.36	33.72	31.75	688.61	--	--
		9/30/2005	720.36	33.71	29.74	690.62	--	--
		10/31/2005	720.36	33.70	31.97	688.39	--	--
		11/29/2005	720.36	33.70	30.03	690.33	--	--
		12/22/2005	720.36	33.71	29.47	690.89	--	--
		1/31/2006	720.36	33.71	30.44	689.92	--	Sheen
		2/28/2006	720.36	33.71	29.73	690.63	--	Sheen
		3/30/2006	720.36	33.71	27.64	692.72	--	Sheen
		4/28/2006	720.36	33.71	28.88	691.48	--	Sheen
		5/30/2006	720.36	33.71	28.56	691.80	--	Sheen
		6/26/2006	720.36	33.71	28.25	692.11	--	Sheen
		8/16/2006	720.36	33.20	25.75	694.61	--	--
		8/29/2006	720.36	34.83	26.88	693.48	--	Sheen
		9/26/2006	720.36	34.83	25.50	694.86	--	Sheen
		10/18/2006	720.36	34.83	25.96	694.40	--	Sheen
		11/23/2006	720.36	34.83	24.47	695.89	--	Sheen
		12/18/2006	720.36	34.83	24.43	695.93	--	Sheen
		1/16/2007	720.36	34.83	25.34	695.02	--	--
		2/22/2007	720.36	34.83	24.97	695.39	--	--
		3/20/2007	720.36	34.83	27.23	693.13	--	--
		4/24/2007	720.36	34.83	26.89	693.47	--	--
		5/17/2007	720.36	34.83	28.15	692.21	--	--
		6/26/2007	720.36	34.83	NM	NM	--	--
		12/13/2007	720.36	33.95	31.81	688.55	31.72	0.09
		1/18/2008	720.36	NM	NM	NM	--	--
		5/19/2008	720.36	NM	25.51	694.85	--	--
		9/25/2008	720.36	NM	30.89	689.47	--	Sheen
		12/10/2008	720.36	NM	27.15	693.21	26.52	0.63
		1/26/2009	720.36	35.00	32.43	687.93	--	--
		2/24/2009	720.36	35.00	32.45	687.91	--	--
		3/17/2009	720.36	35.00	28.56	691.80	--	--
		4/7/2009	720.36	35.00	29.27	691.09	--	--
		6/15/2009	720.36	35.45	32.23	688.13	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		7/30/2009	720.36	NM	31.06	689.30	31.05	0.01
		8/26/2009	720.36	NM	31.35	689.01	--	--
		9/25/2009	720.36	35.45	31.80	688.56	31.75	0.05
		11/2/2009	720.36	NM	31.65	688.71	31.54	0.11
		12/18/2009	720.36	NM	31.95	688.41	31.86	0.09
		1/22/2010	720.36	NM	31.95	688.41	--	--
		2/22/2010	720.36	NM	28.61	691.75	--	--
		3/23/2010	720.36	NM	32.23	688.13	--	--
		5/24/2010	720.36	NM	28.45	691.91	--	--
		7/20/2010	720.36	NM	27.27	693.09	--	--
		8/23/2010	720.36	NM	31.25	689.11	--	--
		10/14/2010	720.36	NM	31.45	688.91	--	--
		11/18/2010	720.36	NM	32.12	688.24	--	--
		12/6/2010	720.36	NM	32.35	688.01	--	--
	Eagle Cr_Lynhurst Br	7/30/2009	733.52	NM	22.72	710.80	--	--
		8/26/2009	733.52	NM	35.80	697.72	--	--
		9/25/2009	733.52	NM	34.13	699.39	--	--
		11/2/2009	733.52	NM	33.82	699.70	--	--
		1/22/2010	733.52	NM	NM	NM	--	--
		2/22/2010	733.52	NM	33.53	699.99	--	--
		3/23/2010	733.52	NM	33.45	700.07	--	--
		5/24/2010	733.52	NM	34.50	699.02	--	--
		7/20/2010	733.52	NM	34.14	699.38	--	--
		8/23/2010	733.52	NM	34.40	699.12	--	--
		10/14/2010	733.52	NM	34.49	699.03	--	--
		11/18/2010	733.52	NM	34.80	698.72	--	--
		12/6/2010	733.52	NM	34.55	698.97	--	--
	Eagle Cr_Surf Elev	7/30/2009	723.30	NM	30.11	693.19	--	--
		8/26/2009	723.30	NM	31.31	691.99	--	--
		9/25/2009	723.30	NM	31.20	692.10	--	--
		11/2/2009	723.30	NM	31.01	692.29	--	--
		12/18/2009	723.30	NM	30.90	692.40	--	--
		1/22/2010	723.30	NM	30.90	692.40	--	--
		2/22/2010	723.30	NM	30.21	693.09	--	--
		3/23/2010	723.30	NM	30.00	693.30	--	--
		5/24/2010	723.30	NM	30.60	692.70	--	--
		7/20/2010	723.30	NM	30.85	692.45	--	--
		8/23/2010	723.30	NM	31.26	692.04	--	--
		10/14/2010	723.30	NM	31.31	691.99	--	--
		11/18/2010	723.30	NM	31.18	692.12	--	--
		12/6/2010	723.30	NM	31.40	691.90	--	--
	MW-0104-S2	5/17/2001	719.04	23.50	21.20	697.84	--	--
		12/13/2001	719.04	23.54	19.80	699.24	--	--
		3/15/2002	719.04	NM	17.30	701.74	17.15	0.15
		5/24/2002	719.04	NM	15.02	704.02	--	Sheen
		8/15/2002	719.04	NM	NM	NM	NM	NM
		5/22/2003	719.04	NM	15.71	703.33	--	--
		11/19/2003	719.04	NM	16.00	703.04	--	--
		5/18/2004	719.04	NM	16.32	702.72	--	--
		11/19/2004	719.04	23.45	15.93	703.11	--	--
		2/24/2005	719.04	23.45	16.37	702.67	--	Sheen
		3/29/2005	719.04	23.45	15.87	703.17	--	Sheen
		4/28/2005	719.04	23.45	16.08	702.96	--	Sheen
		5/31/2005	719.04	23.45	19.27	699.77	--	Sheen
		6/29/2005	719.04	23.45	20.87	698.17	--	Sheen
		7/29/2005	719.04	23.50	17.16	701.88	--	Sheen
		8/31/2005	719.04	23.50	17.14	701.90	--	Sheen
		9/30/2005	719.04	23.54	15.91	703.13	--	Sheen
		10/31/2005	719.04	23.54	17.81	701.23	--	Sheen
		11/29/2005	719.04	23.54	17.07	701.97	--	Sheen
		12/6/2005	719.04	23.45	16.32	702.72	--	Sheen
		12/22/2005	719.04	NM	NM	NM	NM	NM
		1/31/2006	719.04	23.45	16.44	702.60	--	Sheen
		2/27/2006	719.04	23.33	16.99	702.05	--	Sheen
		2/28/2006	719.04	23.45	17.04	702.00	--	Sheen
		3/30/2006	719.04	23.49	16.31	702.73	--	Sheen
		4/10/2006	719.04	23.49	16.35	702.69	--	Sheen
		4/28/2006	719.04	23.49	16.17	702.87	--	Sheen
		5/30/2006	719.04	23.49	16.48	702.56	--	Sheen
		6/26/2006	719.04	23.49	16.50	702.54	--	Sheen
		8/16/2006	719.04	NA	NA	NA	NA	NA
		8/29/2006	719.04	23.60	17.38	701.66	--	Sheen
		9/26/2006	719.04	23.60	17.26	701.78	--	Sheen
		10/18/2006	719.04	23.60	17.19	701.85	--	--
		11/23/2006	719.04	23.60	16.76	702.28	--	Sheen
		12/18/2006	719.04	23.60	16.74	702.30	--	--
		1/16/2007	719.04	23.60	15.12	703.92	--	--
		2/2/2007	719.04	23.33	15.73	703.31	--	--
		2/22/2007	719.04	23.33	14.89	704.15	--	--
		3/20/2007	719.04	23.33	15.89	703.15	--	--
		4/24/2007	719.04	23.33	16.18	702.86	--	--
		5/17/2007	719.04	23.33	16.27	702.77	--	--
		6/26/2007	719.04	23.33	18.52	700.52	--	--
		10/8/2007	719.04	23.56	18.26	700.78	--	--
		1/18/2008	719.04	NM	NM	NM	--	--
		5/20/2008	719.04	NM	26.56	692.48	--	--
		12/10/2008	719.04	NM	17.08	701.96	--	--
		2/10/2009	719.04	23.35	17.08	701.96	--	--
		3/27/2009	719.04	23.25	17.28	701.76	--	--
		4/7/2009	719.04	23.50	16.45	702.59	--	--
		9/25/2009	719.04	23.55	17.72	701.32	17.72	--
		11/2/2009	719.04	23.70	17.02	702.02	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		2/22/2010	719.04	26.73	24.02	695.02	--	--
		4/30/2010	719.04	23.71	17.35	701.69	--	--
		5/24/2010	719.04	23.10	16.90	702.14	--	--
		10/14/2010	719.04	NM	19.06	699.98	--	--
	MW-0105-S2	5/16/2001	721.49	28.89	26.56	694.93	--	--
		3/15/2002	721.49	NM	23.45	698.04	23.40	0.05
		5/24/2002	721.49	NM	20.53	700.96	--	--
		7/22/2002	721.49	28.25	22.81	698.68	22.80	0.01
		8/15/2002	721.49	NM	23.81	697.68	--	--
		9/17/2002	721.49	28.50	24.55	696.94	24.50	0.05
		10/29/2002	721.49	25.25	21.65	699.84	--	--
		11/22/2002	721.49	27.95	24.31	697.18	--	--
		12/18/2002	721.49	28.24	24.52	696.97	--	--
		1/21/2003	721.49	28.02	23.56	697.93	--	--
		5/22/2003	721.49	27.68	22.41	699.08	22.40	0.01
		8/1/2003	721.49	22.72	22.34	699.15	22.33	0.01
		10/21/2003	721.49	27.60	22.65	698.84	--	--
		11/19/2003	721.49	NM	23.01	698.48	--	--
		12/17/2003	721.49	27.50	23.47	698.02	--	--
		1/21/2004	721.49	27.60	22.29	699.20	--	--
		5/19/2004	721.49	27.50	23.38	698.11	23.30	0.08
		11/19/2004	721.49	27.80	23.54	697.95	23.27	0.27
		1/31/2005	721.49	27.80	20.79	700.70	20.73	0.06
		2/24/2005	721.49	27.80	21.81	699.68	--	Sheen
		3/29/2005	721.49	27.80	22.74	698.75	--	Sheen
		4/28/2005	721.49	27.80	21.52	699.97	--	Sheen
		5/31/2005	721.49	27.80	23.22	698.27	--	Sheen
		6/29/2005	721.49	27.80	24.23	697.26	--	Sheen
		7/29/2005	721.49	27.34	23.91	697.58	--	Sheen
		8/31/2005	721.49	27.34	24.16	697.33	--	Sheen
		9/30/2005	721.49	27.39	23.52	697.97	23.51	0.01
		10/31/2005	721.49	27.39	24.45	697.04	24.16	0.29
		11/29/2005	721.49	27.39	23.76	697.73	23.47	0.29
		12/6/2005	721.49	27.80	23.92	697.57	23.60	0.32
		12/22/2005	721.49	27.39	24.23	697.26	24.00	0.23
		1/31/2006	721.49	27.80	25.23	696.26	--	Sheen
		2/28/2006	721.49	27.80	23.45	698.04	--	Sheen
		3/30/2006	721.49	27.31	22.28	699.21	--	Sheen
		4/11/2006	721.49	27.31	22.35	699.14	--	Sheen
		4/28/2006	721.49	27.31	22.15	699.34	--	Sheen
		5/30/2006	721.49	27.31	22.48	699.01	--	Sheen
		6/26/2006	721.49	27.31	22.51	698.98	--	Sheen
		8/16/2006	721.49	27.40	23.81	697.68	--	--
		8/29/2006	721.49	27.44	23.84	697.65	--	Sheen
		9/26/2006	721.49	27.44	23.81	697.68	--	Sheen
		10/18/2006	721.49	27.44	23.90	697.59	--	--
		11/23/2006	721.49	27.44	23.05	698.44	--	Sheen
		12/18/2006	721.49	27.44	22.62	698.87	--	--
		1/16/2007	721.49	27.44	21.34	700.15	--	--
		2/2/2007	721.49	27.21	21.10	700.39	--	--
		2/22/2007	721.49	27.21	23.89	697.60	--	--
		3/20/2007	721.49	27.21	22.08	699.41	--	--
		4/24/2007	721.49	27.21	22.12	699.37	--	--
		5/17/2007	721.49	27.21	22.33	699.16	--	--
		6/26/2007	721.49	27.21	24.86	696.63	--	--
		7/24/2007	721.49	27.81	25.78	695.71	24.26	1.52
		8/20/2007	721.49	27.81	26.03	695.46	24.37	1.66
		10/8/2007	721.49	26.79	26.66	694.83	24.36	2.30
		10/22/2007	721.49	26.79	25.91	695.58	24.51	1.40
		11/15/2007	721.49	26.79	25.86	695.63	24.50	1.36
		12/13/2007	721.49	26.61	24.92	696.57	24.11	0.81
		1/18/2008	721.49	NM	NM	NM	--	0.02
		2/7/2008	721.49	NM	NM	NM	--	0.16
		3/10/2008	721.49	NM	NM	NM	--	0.06
		4/7/2008	721.49	NM	NM	NM	--	0.04
		5/20/2008	721.49	NM	NM	NM	--	--
		6/26/2008	721.49	26.65	23.31	698.18	23.29	--
		7/31/2008	721.49	26.65	25.83	695.66	25.80	0.03
		8/27/2008	721.49	26.85	26.02	695.47	24.75	1.27
		9/25/2008	721.49	NM	NM	NM	NM	NM
		10/29/2008	721.49	27.80	25.02	696.47	24.51	0.51
		11/24/2008	721.49	NM	24.96	696.53	24.54	0.42
		12/10/2008	721.49	NM	24.59	696.90	--	--
		1/26/2009	721.49	NM	24.78	NM	24.44	0.34
		3/24/2009	721.49	NM	24.87	NM	24.54	0.33
		4/7/2009	721.49	NM	NM	NM	NM	NM
		9/25/2009	721.49	NM	NM	NM	NM	NM
		11/2/2009	721.49	26.70	23.82	697.67	--	--
		12/18/2009	721.49	NM	25.40	696.09	25.35	0.05
		3/23/2010	721.49	NM	23.51	697.98	--	Sheen
		5/24/2010	721.49	26.72	23.33	698.16	--	--
		8/23/2010	721.49	NM	24.36	697.14	24.35	0.01
		10/14/2010	721.49	26.61	24.58	696.91	--	--
		11/18/2010	721.49	NM	26.58	696.64	24.49	2.09
		12/6/2010	721.49	NM	25.30	696.93	24.41	0.90
	MW-0106-S2	5/17/2001	721.75	27.87	24.28	697.47	--	--
		3/15/2002	721.75	NM	23.20	698.55	--	Sheen
		5/24/2002	721.75	NM	20.47	701.28	--	--
		7/22/2002	721.75	27.85	22.57	699.18	22.56	0.01
		8/15/2002	721.75	NM	23.44	698.31	--	--
		9/17/2002	721.75	27.85	24.20	697.55	--	--
		10/29/2002	721.75	27.85	24.45	697.30	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/22/2002	721.75	28.58	24.25	697.50	--	--
		12/18/2002	721.75	27.92	24.34	697.41	--	--
		1/21/2003	721.75	27.85	23.21	698.54	--	--
		5/22/2003	721.75	27.90	22.21	699.54	--	--
		8/1/2003	721.75	27.85	22.25	699.50	--	--
		11/19/2003	721.75	NM	22.98	698.77	--	--
		1/21/2004	721.75	27.80	22.17	699.58	--	--
		5/17/2004	721.75	27.85	21.20	700.55	--	--
		11/19/2004	721.75	27.65	23.39	698.36	--	--
		3/29/2005	721.75	27.65	24.39	697.36	--	--
		6/30/2005	721.75	27.65	24.02	697.73	--	--
		9/30/2005	721.75	27.65	23.37	698.38	--	--
		12/6/2005	721.75	27.65	23.78	697.97	--	--
		12/22/2005	721.75	27.65	24.08	697.67	--	--
		3/30/2006	721.75	27.62	26.01	695.74	--	--
		4/11/2006	721.75	27.62	22.52	699.23	--	--
		6/26/2006	721.75	27.62	22.67	699.08	--	--
		2/2/2007	721.75	27.61	21.03	700.72	--	--
		1/18/2008	721.75	NM	NM	NM	--	--
		5/19/2008	721.75	NM	23.19	698.56	--	--
		12/10/2008	721.75	NM	24.45	697.30	--	--
		4/7/2009	721.75	27.33	23.42	698.33	--	--
		9/25/2009	721.75	NM	NM	NM	NM	NM
		11/2/2009	721.75	27.60	23.70	698.05	--	--
		5/24/2010	721.75	27.80	23.31	698.44	--	--
		8/23/2010	721.75	27.43	23.23	698.52	--	--
		10/14/2010	721.75	27.65	24.42	697.33	--	--
		11/18/2010	721.75	27.70	24.82	696.93	--	--
		12/6/2010	721.75	27.80	24.52	697.23	--	--
	MW-0107-S2	5/16/2001	719.98	27.53	23.00	696.98	--	--
		3/15/2002	719.98	NM	21.90	698.08	--	Sheen
		5/24/2002	719.98	NM	18.61	701.37	--	--
		7/22/2002	719.98	27.50	21.40	698.58	21.40	<0.01
		8/15/2002	719.98	NM	22.45	697.53	--	--
		9/17/2002	719.98	27.50	23.20	696.78	--	--
		10/29/2002	719.98	27.50	23.40	696.58	--	--
		11/22/2002	719.98	27.60	23.20	696.78	--	--
		12/18/2002	719.98	27.57	23.48	696.50	--	--
		1/21/2003	719.98	27.50	22.56	697.42	--	--
		5/22/2003	719.98	27.52	20.80	699.18	--	--
		8/1/2003	719.98	27.49	21.02	698.96	--	--
		11/19/2003	719.98	NM	22.09	697.89	--	--
		1/21/2004	719.98	27.42	21.28	698.70	--	--
		5/17/2004	719.98	27.50	22.20	697.78	--	--
		11/19/2004	719.98	27.30	22.47	697.51	--	--
		3/29/2005	719.98	27.30	22.53	697.45	--	--
		6/30/2005	719.98	27.30	22.89	697.09	--	--
		9/30/2005	719.98	27.30	22.45	697.53	--	--
		12/6/2005	719.98	27.30	22.87	697.11	--	--
		12/22/2005	719.98	27.30	23.18	696.80	--	--
		1/19/2006	719.98	27.39	22.24	697.74	--	--
		3/30/2006	719.98	27.32	21.22	698.76	--	--
		4/11/2006	719.98	27.32	21.29	698.69	--	--
		6/26/2006	719.98	27.32	21.44	698.54	--	--
		2/2/2007	719.98	27.33	19.34	700.64	--	--
		10/8/2007	719.98	27.60	23.67	696.31	--	--
		1/18/2008	719.98	NM	NM	NM	--	--
		5/20/2008	719.98	NM	22.24	697.74	--	--
		12/10/2008	719.98	NM	23.61	696.37	--	--
		4/7/2009	719.98	27.31	22.01	697.97	--	--
		9/25/2009	719.98	NM	NM	NM	NM	NM
		11/2/2009	719.98	27.59	22.90	697.08	--	--
		5/24/2010	719.98	27.70	22.23	697.75	--	--
		8/23/2010	719.98	27.36	22.36	697.62	--	--
		10/14/2010	719.98	NM	23.51	696.47	--	--
		11/18/2010	719.98	27.65	23.95	696.03	--	--
		12/6/2010	719.98	NM	NM	NM	--	--
	MW-0116-S2	3/15/2002	722.02	NM	25.93	696.09	--	--
		5/28/2002	722.02	NM	24.98	697.04	--	--
		7/22/2002	722.02	30.40	26.64	695.38	26.64	<0.01
		8/15/2002	722.02	NM	27.05	694.97	--	--
		9/17/2002	722.02	30.40	27.31	694.71	--	--
		10/29/2002	722.02	30.40	27.35	694.67	--	--
		11/22/2002	722.02	30.50	27.21	694.81	--	--
		12/18/2002	722.02	30.46	27.39	694.63	--	--
		1/21/2003	722.02	30.40	26.59	695.43	--	--
		5/22/2003	722.02	30.45	25.69	696.33	--	--
		8/4/2003	722.02	30.40	26.30	695.72	26.29	0.01
		11/19/2003	722.02	NM	26.48	695.54	--	--
		1/21/2004	722.02	30.35	25.67	696.35	--	--
		5/19/2004	722.02	30.40	26.35	695.67	--	--
		11/19/2004	722.02	30.40	25.96	696.06	--	--
		3/29/2005	722.02	30.40	26.18	695.84	--	--
		6/30/2005	722.02	30.40	26.22	695.80	--	--
		9/30/2005	722.02	30.35	26.11	695.91	--	--
		12/6/2005	722.02	30.35	26.27	695.75	--	--
		12/22/2005	722.02	30.35	26.83	695.19	--	--
		3/30/2006	722.02	30.22	22.49	699.53	--	--
		4/11/2006	722.02	30.22	26.09	695.93	--	--
		6/26/2006	722.02	30.22	26.24	695.78	--	--
		2/2/2007	722.02	30.24	25.21	696.81	--	--
		1/18/2008	722.02	NM	NM	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/19/2008	722.02	NM	22.24	699.78	--	--
		12/10/2008	722.02	NM	27.46	694.56	--	--
		4/7/2009	722.02	30.21	24.64	697.38	--	--
		9/25/2009	722.02	NM	NM	NM	NM	NM
		11/2/2009	722.02	30.50	26.63	695.39	--	--
		4/30/2010	722.02	30.45	26.79	695.23	--	--
		5/24/2010	722.02	NM	26.11	695.91	--	--
		8/23/2010	722.02	NM	30.31	27.14	--	--
		10/14/2010	722.02	NM	27.41	694.61	--	--
		11/18/2010	722.02	30.62	27.80	694.22	--	--
		12/6/2010	722.02	NM	NM	NM	--	--
	MW-0522-S2A	11/17/2005	719.55	28.86	23.20	696.35	--	--
		12/6/2005	719.55	27.82	24.08	695.47	--	--
		1/13/2006	719.55	27.71	23.65	695.90	--	--
		4/11/2006	719.55	27.60	22.26	697.29	--	--
		2/2/2007	719.55	27.65	20.21	699.34	--	--
		1/18/2008	719.55	NM	NM	NM	--	--
		5/19/2008	719.55	NM	22.24	697.31	--	--
		12/10/2008	719.55	NM	24.74	694.81	--	--
		4/7/2009	720.74	27.65	23.16	697.58	--	--
		9/25/2009	720.74	NM	NM	NM	NM	NM
		11/2/2009	720.74	27.67	24.10	696.64	--	--
		5/24/2010	720.74	28.10	23.35	697.39	--	--
		8/23/2010	720.74	27.75	23.51	697.23	--	--
		10/14/2010	720.74	NM	24.58	696.16	--	--
		11/18/2010	720.74	28.00	24.93	695.81	--	--
		12/6/2010	720.74	28.10	25.65	695.09	--	--
	MW-0522-S2B	11/17/2005	719.54	43.42	24.25	695.29	--	--
		12/6/2005	719.54	43.42	24.16	695.38	--	--
		1/13/2006	719.54	43.39	23.69	695.85	--	--
		4/11/2006	719.54	41.20	22.32	697.22	--	--
		2/2/2007	719.54	43.21	20.27	699.27	--	--
		1/18/2008	719.54	NM	NM	NM	--	--
		5/19/2008	719.54	NM	22.24	NM	--	--
		4/7/2009	719.95	43.06	23.20	696.75	--	--
		9/25/2009	719.95	NM	NM	NM	NM	NM
		11/2/2009	719.95	43.15	24.15	695.80	--	--
		5/24/2010	719.95	43.40	23.39	696.56	--	--
		8/23/2010	719.95	43.15	23.63	696.32	--	--
		10/14/2010	719.95	NM	24.50	695.45	--	--
		11/18/2010	719.95	43.20	25.01	694.94	--	--
		12/6/2010	719.95	43.20	24.68	695.27	--	--
	MW-0523-S2	11/17/2005	721.87	36.74	28.72	693.15	--	--
		12/6/2005	721.87	36.93	29.45	692.42	--	--
		1/16/2006	721.87	36.84	28.33	693.54	--	--
		4/11/2006	721.87	36.70	28.32	693.55	--	--
		2/2/2007	721.87	36.75	27.69	694.18	--	--
		1/18/2008	721.87	NM	NM	NM	--	--
		5/19/2008	721.87	NM	22.24	699.63	--	--
		9/25/2008	721.87	NM	29.21	692.66	--	--
		12/10/2008	721.87	NM	29.54	692.33	--	--
		1/26/2009	721.87	36.69	28.80	693.07	--	--
		2/24/2009	721.87	36.69	28.70	693.17	--	--
		3/17/2009	721.87	36.69	28.85	693.02	--	--
		4/7/2009	721.87	36.69	26.84	695.03	--	--
		6/15/2009	721.87	36.71	28.17	693.70	--	--
		7/30/2009	721.87	NM	28.34	693.53	--	--
		8/26/2009	721.87	NM	29.46	692.41	--	--
		9/25/2009	721.87	36.71	29.85	692.02	--	--
		11/2/2009	721.87	36.78	29.31	692.56	--	--
		12/18/2009	721.87	36.78	28.76	693.11	--	--
		1/22/2010	721.87	37.00	28.76	693.11	--	--
		2/22/2010	721.87	NM	28.96	692.91	--	--
		3/23/2010	721.87	NM	28.54	693.33	--	--
		5/24/2010	721.87	NM	28.84	693.03	--	--
		7/20/2010	721.87	NM	28.85	693.02	--	--
		8/23/2010	721.87	NM	NM	NM	--	--
		10/14/2010	721.87	36.91	29.89	691.98	--	--
		11/18/2010	721.87	36.95	30.01	691.86	--	--
		12/6/2010	721.87	36.80	29.94	691.93	--	--
	MW-0524-S2A	11/17/2005	720.09	26.80	23.17	696.92	--	--
		12/6/2005	720.09	26.28	23.83	696.26	--	--
		1/16/2006	720.09	26.11	23.40	696.69	--	--
		4/11/2006	720.09	26.03	22.02	698.07	--	--
		2/2/2007	720.09	26.10	20.12	699.97	--	--
		1/18/2008	720.09	NM	NM	NM	--	--
		5/19/2008	720.09	NM	22.24	697.85	--	--
		12/10/2008	720.09	NM	24.49	695.60	--	--
		4/7/2009	720.09	26.25	22.83	697.26	--	--
		9/25/2009	720.09	NM	NM	NM	NM	NM
		11/2/2009	720.09	26.25	23.83	696.26	--	--
		4/30/2010	720.09	26.50	22.94	697.15	--	--
		8/23/2010	720.09	26.25	23.30	696.79	--	--
		10/14/2010	720.09	NM	24.31	695.78	--	--
		11/18/2010	720.09	26.55	24.73	695.36	--	--
		12/6/2010	720.09	26.50	24.40	695.69	--	--
	MW-0524-S2B	11/17/2005	720.02	41.85	24.05	695.97	--	--
		12/6/2005	720.02	42.03	23.83	696.19	--	--
		1/16/2006	720.02	41.99	24.27	695.75	--	--
		4/11/2006	720.02	41.85	22.03	697.99	--	--
		2/2/2007	720.02	41.90	20.12	699.90	--	--
		1/18/2008	720.02	NM	NM	NM	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/19/2008	720.02	NM	22.24	697.78	--	--
		4/7/2009	720.02	41.85	22.85	697.17	--	--
		9/25/2009	720.02	NM	NM	NM	NM	NM
		11/2/2009	720.02	41.85	23.82	696.20	--	--
		4/30/2010	720.02	42.14	22.95	697.07	--	--
		8/23/2010	720.02	54.70	24.31	695.71	--	--
		10/14/2010	720.02	NM	24.29	695.73	--	--
		11/18/2010	720.02	42.20	24.72	695.30	--	--
		12/6/2010	720.02	42.10	24.35	695.67	--	--
	MW-0525-S2	11/17/2005	719.95	26.80	23.17	696.78	--	--
		12/6/2005	719.95	26.98	22.90	697.05	--	--
		1/16/2006	719.95	26.87	23.29	696.66	--	--
		4/11/2006	719.95	26.71	21.11	698.84	--	--
		2/2/2007	719.95	26.80	19.10	700.85	--	--
		1/18/2008	719.95	NM	NM	NM	--	--
		5/19/2008	719.95	NM	22.24	697.71	--	--
		12/10/2008	719.95	NM	23.64	696.31	--	--
		4/7/2009	719.95	26.75	21.97	697.98	--	--
		9/25/2009	719.95	NM	NM	NM	NM	NM
		11/2/2009	719.95	26.76	22.95	697.00	--	--
		8/23/2010	719.95	NM	NM	NM	--	--
		10/14/2010	719.95	NM	23.54	696.41	--	--
		11/18/2010	719.95	NM	NM	NM	--	--
		12/6/2010	719.95	NM	23.54	696.41	--	--
	MW-0526-S2A	12/6/2005	720.11	NM	26.82	693.29	24.92	1.90
		12/22/2005	720.11	NM	26.54	693.57	25.62	0.92
		1/31/2006	720.11	NM	24.32	695.79	24.00	0.32
		2/28/2006	720.11	NM	24.08	696.03	24.03	0.05
		3/10/2006	720.11	30.36	24.14	695.97	--	Sheen
		3/30/2006	720.11	30.36	23.30	696.81	--	Sheen
		4/11/2006	720.11	30.36	23.39	696.72	--	Sheen
		4/28/2006	720.11	30.36	23.21	696.90	--	Sheen
		5/16/2006	720.11	30.37	23.17	696.94	--	Sheen
		5/30/2006	720.11	30.36	23.42	696.69	--	Sheen
		6/23/2006	720.11	30.37	23.05	697.06	--	Sheen
		6/26/2006	720.11	30.36	23.54	696.57	--	Sheen
		8/16/2006	720.11	30.36	25.28	694.83	24.59	0.69
		8/29/2006	720.11	30.47	25.25	694.86	24.72	0.53
		9/26/2006	720.11	30.47	24.61	695.50	24.51	0.10
		10/18/2006	720.11	30.47	24.73	695.38	24.52	0.21
		11/23/2006	720.11	30.47	23.80	696.31	--	Sheen
		12/18/2006	720.11	30.47	23.40	696.71	--	Sheen
		1/16/2007	720.11	30.47	21.71	698.40	--	--
		2/2/2007	720.11	30.21	21.42	698.69	--	--
		2/22/2007	720.11	30.21	21.50	698.61	--	--
		3/20/2007	720.11	30.21	22.81	697.30	--	--
		4/24/2007	720.11	30.21	23.06	697.05	--	--
		5/17/2007	720.11	30.21	23.36	696.75	--	--
		6/26/2007	720.11	30.21	25.72	694.39	25.06	0.66
		10/8/2007	720.11	30.47	26.90	693.21	25.51	1.39
		12/13/2007	720.11	30.47	26.31	693.80	25.32	0.99
		1/18/2008	720.11	NM	NM	NM	--	1.23
		5/19/2008	720.11	NM	22.24	697.87	--	1.26
		7/31/2008	720.11	30.45	25.75	694.36	25.75	Sheen
		8/27/2008	720.11	31.50	26.37	693.74	25.41	0.96
		9/25/2008	720.11	NM	25.75	694.36	24.95	0.80
		10/29/2008	720.11	30.53	26.41	693.70	25.41	1.00
		11/24/2008	720.11	NM	26.27	693.84	25.43	0.84
		12/10/2008	720.11	NM	26.71	693.40	25.50	1.21
		1/26/2009	720.11	30.42	25.50	695.34	24.60	0.90
		2/24/2009	720.11	30.42	23.86	696.30	23.79	0.07
		3/17/2009	720.11	30.42	24.60	695.86	24.16	0.44
		3/24/2009	720.11	NM	26.54	NM	25.78	0.76
		4/7/2009	720.10	30.42	24.00	696.10	--	Globules
		6/15/2009	720.10	30.81	22.72	697.56	22.46	0.26
		7/30/2009	720.10	NM	23.27	696.83	--	--
		8/26/2009	720.10	NM	25.76	694.34	24.42	1.34
		9/25/2009	720.10	30.81	25.92	694.18	25.30	0.62
		11/2/2009	720.10	31.33	25.55	694.55	24.85	0.70
		12/18/2009	720.10	31.33	26.12	693.98	25.50	0.62
		1/22/2010	720.10	30.40	26.12	695.68	24.06	2.06
		2/22/2010	720.10	NM	25.16	695.79	24.13	1.03
		3/23/2010	720.10	NM	24.67	696.48	23.40	1.27
		5/24/2010	720.10	NM	24.38	696.57	23.35	1.03
		7/20/2010	720.10	NM	22.98	697.67	22.31	0.67
		8/23/2010	720.10	NM	24.54	696.23	23.73	0.81
		10/14/2010	720.10	30.35	24.81	695.46	24.60	0.21
		11/18/2010	720.10	NM	25.11	695.21	24.84	0.27
		12/6/2010	720.10	NM	24.86	695.55	24.48	0.38
	MW-0526-S2B	11/17/2005	720.74	43.09	26.35	694.39	--	--
		12/6/2005	720.74	42.04	25.57	695.17	--	--
		1/16/2006	720.74	42.00	24.81	695.93	--	--
		3/10/2006	720.74	41.86	24.56	696.18	--	--
		4/11/2006	720.74	41.85	23.98	696.76	--	--
		2/2/2007	720.74	41.92	22.23	698.51	--	--
		10/8/2007	720.74	42.18	26.21	694.53	--	--
		1/18/2008	720.74	NM	NM	NM	--	--
		5/19/2008	720.74	NM	22.24	698.50	--	--
		9/25/2008	720.74	NM	25.59	695.15	--	--
		12/10/2008	720.74	NM	26.13	694.61	--	--
		1/26/2009	720.74	41.90	25.28	695.46	--	--
		2/24/2009	720.74	41.90	24.45	696.29	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/17/2009	720.74	41.90	24.82	695.92	--	--
		4/7/2009	720.74	41.90	24.45	696.29	--	--
		6/15/2009	720.74	42.08	23.12	697.62	--	--
		7/30/2009	720.74	NM	22.98	697.76	--	--
		8/26/2009	720.74	NM	25.18	695.56	--	--
		9/25/2009	720.74	42.08	25.92	694.82	--	--
		11/2/2009	720.74	42.12	25.57	695.17	--	--
		12/18/2009	720.74	42.12	25.67	695.07	--	--
		1/22/2010	720.74	42.20	25.67	695.07	--	--
		2/22/2010	720.74	NM	25.28	695.46	--	--
		3/23/2010	720.74	NM	24.74	696.00	--	--
		5/24/2010	720.74	NM	24.70	696.04	--	--
		7/20/2010	720.74	NM	23.71	697.03	--	--
		8/23/2010	720.74	NM	25.13	695.61	--	--
		10/14/2010	720.74	42.18	25.89	694.85	--	--
		11/18/2010	720.74	42.30	26.17	694.57	--	--
		12/6/2010	720.74	42.25	25.88	694.86	--	--
	MW-0622-S2A	5/16/2006	NM	26.40	23.25	NM	--	--
		6/26/2006	NM	26.40	23.62	NM	--	--
		8/16/2006	NM	26.48	24.79	NM	--	--
		8/29/2006	NM	26.50	24.90	NM	--	--
		9/26/2006	NM	26.50	24.61	NM	--	--
		10/18/2006	NM	26.50	24.68	NM	--	--
		11/23/2006	NM	26.50	23.91	NM	--	--
		12/18/2006	NM	26.50	23.48	NM	--	--
		1/16/2007	NM	26.50	21.82	NM	--	--
		2/2/2007	NM	26.20	22.59	NM	--	--
		2/22/2007	NM	26.20	21.44	NM	--	--
		3/20/2007	NM	26.20	22.87	NM	--	--
		4/24/2007	NM	26.20	22.64	NM	--	--
		5/17/2007	NM	26.20	23.03	NM	--	--
		6/26/2007	NM	26.20	25.75	NM	25.17	0.58
		10/8/2007	NM	26.61	26.05	NM	25.47	0.58
		12/13/2007	NM	26.48	25.60	NM	25.44	0.16
		1/18/2008	NM	NM	NM	NM	--	0.30
		5/19/2008	NM	NM	22.24	NM	--	NM
		7/31/2008	NM	26.45	23.32	NM	22.45	0.87
		8/27/2008	NM	26.45	24.34	NM	24.34	Sheen
		9/25/2008	NM	NM	25.35	NM	25.05	0.30
		10/29/2008	NM	26.53	26.15	NM	25.51	0.64
		11/24/2008	NM	NM	26.13	NM	25.63	0.50
		12/10/2008	NM	NM	26.15	NM	25.51	0.64
		1/26/2009	NM	26.45	24.98	695.43	24.80	0.18
		2/24/2009	NM	26.45	23.93	696.35	23.91	0.02
		3/17/2009	NM	26.45	24.31	695.95	--	--
		3/24/2009	NM	NM	25.98	NM	25.64	0.34
		4/7/2009	720.26	26.45	24.11	696.15	--	--
		6/15/2009	720.26	26.54	22.58	697.68	--	--
		7/30/2009	720.26	NM	23.14	697.12	--	--
		8/26/2009	720.26	NM	24.68	695.58	--	--
		9/25/2009	720.26	26.54	25.14	695.12	25.14	Sheen
		11/2/2009	720.26	26.50	25.22	695.04	25.11	0.11
		12/18/2009	720.26	26.50	25.35	694.91	24.32	1.03
		1/22/2010	720.26	NM	25.35	695.60	24.52	0.83
		2/22/2010	720.26	NM	24.79	695.67	24.55	0.24
		3/23/2010	720.26	NM	24.30	696.27	23.92	0.38
		5/24/2010	720.26	NM	24.04	696.39	23.83	0.21
		7/20/2010	720.26	NM	23.14	697.43	22.76	0.38
		8/23/2010	720.26	NM	24.30	695.98	24.27	0.03
		10/14/2010	720.26	26.37	25.08	695.20	25.06	0.02
		11/18/2010	720.26	NM	25.47	694.92	25.31	0.16
		12/6/2010	720.26	NM	25.19	695.22	25.01	0.18
	MW-0623-S2A	5/16/2006	NM	28.80	22.42	NM	--	--
		6/26/2006	NM	28.80	22.79	NM	--	--
		8/16/2006	NM	28.91	23.90	NM	--	--
		8/29/2006	NM	28.91	23.96	NM	--	--
		9/26/2006	NM	28.91	23.61	NM	--	--
		10/18/2006	NM	28.91	23.66	NM	--	--
		11/23/2006	NM	NA	NM	NM	NM	NM
		12/18/2006	NM	28.91	22.64	NM	--	--
		1/16/2007	NM	28.91	20.88	NM	--	--
		2/2/2007	NM	28.63	20.87	NM	--	--
		2/22/2007	NM	28.63	20.64	NM	--	--
		3/20/2007	NM	28.63	21.16	NM	--	--
		4/24/2007	NM	28.63	21.24	NM	--	--
		5/17/2007	NM	28.63	22.11	NM	--	--
		6/26/2007	NM	28.63	24.31	NM	--	--
		10/8/2007	NM	28.85	25.41	NM	--	--
		12/13/2007	NM	28.83	24.60	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		9/25/2008	NM	NM	24.22	NM	--	--
		12/10/2008	NM	NM	24.75	NM	--	--
		1/26/2009	NM	28.51	23.98	695.08	--	--
		2/24/2009	NM	28.51	23.10	695.96	--	--
		3/17/2009	NM	28.51	23.46	695.60	--	--
		4/7/2009	719.06	28.51	23.08	695.98	--	--
		6/15/2009	NM	NM	NM	NM	--	--
		7/30/2009	719.06	NM	23.17	695.89	--	--
		8/26/2009	719.06	NM	23.84	695.22	--	--
		9/25/2009	719.06	NM	25.20	693.86	--	--
		11/2/2009	719.06	28.83	24.17	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		12/18/2009	719.06	28.83	25.65	NM	--	--
		1/22/2010	719.06	28.88	25.65	693.41	--	--
		2/22/2010	719.06	NM	NM	NM	--	--
		3/23/2010	719.06	NM	23.39	695.67	--	--
		5/24/2010	719.06	NM	23.35	695.71	--	--
		7/20/2010	719.06	NM	22.41	696.65	--	--
		8/23/2010	719.06	NM	23.83	695.23	--	--
		10/14/2010	719.06	28.80	24.55	694.51	--	--
		11/18/2010	719.06	28.90	24.84	694.22	--	--
		12/6/2010	719.06	NM	NM	NM	--	--
	MW-0624-S2B	5/16/2006	NM	23.71	38.41	NM	--	--
		6/26/2006	NM	38.41	24.08	NM	--	--
		8/16/2006	NM	38.59	25.16	NM	--	--
		8/29/2006	NM	38.70	25.27	NM	--	--
		9/26/2006	NM	38.70	25.16	NM	--	--
		10/18/2006	NM	38.70	25.02	NM	--	--
		11/23/2006	NM	38.70	24.32	NM	--	--
		12/18/2006	NM	38.70	23.98	NM	--	--
		1/16/2007	NM	38.70	22.11	NM	--	--
		2/2/2007	NM	38.50	22.06	NM	--	--
		2/22/2007	NM	38.50	21.91	NM	--	--
		3/20/2007	NM	38.50	22.65	NM	--	--
		4/24/2007	NM	38.50	22.89	NM	--	--
		5/17/2007	NM	38.50	23.58	NM	--	--
		12/13/2007	NM	38.50	25.90	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		9/25/2008	NM	NM	25.49	NM	--	--
		12/10/2008	NM	NM	26.16	NM	--	--
		1/26/2009	NM	38.35	25.38	696.34	--	--
		2/24/2009	NM	38.35	24.43	697.29	--	--
		3/17/2009	NM	38.35	24.78	696.94	--	--
		4/7/2009	721.72	38.35	24.51	697.21	--	--
		6/15/2009	NM	38.72	22.85	698.87	--	--
		7/30/2009	721.72	NM	24.87	696.85	--	--
		8/26/2009	721.72	NM	24.99	696.73	--	--
		9/25/2009	721.72	38.72	25.85	695.87	--	--
		11/2/2009	721.72	38.65	25.53	696.19	--	--
		12/18/2009	721.72	38.65	25.87	695.85	--	--
		1/22/2010	721.72	38.65	25.87	695.85	--	--
		2/22/2010	721.72	NM	25.51	696.21	--	--
		3/23/2010	721.72	NM	24.88	696.84	--	--
		5/24/2010	721.72	NM	24.74	696.98	--	--
		7/20/2010	721.72	NM	23.66	698.06	--	--
		8/23/2010	721.72	NM	25.10	696.62	--	--
		10/14/2010	721.72	38.65	26.02	695.70	--	--
		11/18/2010	721.72	38.70	26.35	695.37	--	--
		12/6/2010	721.72	38.65	26.01	695.71	--	--
	MW-0625-S2A	5/16/2006	NM	31.67	24.53	NM	--	--
		6/26/2006	NM	31.67	24.90	NM	--	--
		8/16/2006	NM	31.81	25.97	NM	--	--
		8/29/2006	NM	31.79	25.91	NM	--	--
		9/26/2006	NM	31.79	25.53	NM	--	--
		10/18/2006	NM	31.79	25.46	NM	--	--
		11/23/2006	NM	31.79	25.04	NM	--	--
		12/18/2006	NM	31.79	24.67	NM	--	--
		1/16/2007	NM	31.79	22.66	NM	--	--
		2/2/2007	NM	31.55	23.10	NM	--	--
		2/22/2007	NM	31.55	22.06	NM	--	--
		3/20/2007	NM	31.55	22.91	NM	--	--
		4/24/2007	NM	31.55	22.75	NM	--	--
		5/17/2007	NM	31.55	23.47	NM	--	--
		6/26/2007	NM	31.55	26.38	NM	--	--
		12/13/2007	NM	37.76	26.46	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		9/25/2008	NM	NM	26.22	NM	--	--
		12/10/2008	NM	NM	26.72	NM	--	--
		1/26/2009	NM	31.50	25.89	694.06	--	--
		2/24/2009	NM	31.50	25.17	694.78	--	--
		3/17/2009	NM	31.50	25.53	694.42	--	--
		4/7/2009	719.95	31.50	24.99	694.96	--	--
		6/15/2009	719.06	31.70	24.76	695.19	--	--
		7/30/2009	719.95	NM	26.85	693.10	--	--
		8/26/2009	719.95	NM	25.96	693.99	--	--
		9/25/2009	719.95	31.70	26.59	693.36	--	--
		11/2/2009	719.95	31.80	26.20	693.75	--	--
		12/18/2009	719.95	31.80	26.74	693.21	--	--
		1/22/2010	719.95	37.75	26.74	693.21	--	--
		2/22/2010	719.95	NM	25.93	694.02	--	--
		3/23/2010	719.95	NM	25.38	694.57	--	--
		5/24/2010	719.95	NM	25.40	694.55	--	--
		7/20/2010	719.95	NM	24.57	695.38	--	--
		8/23/2010	719.95	NM	25.94	694.01	--	--
		10/14/2010	719.95	31.70	26.54	693.41	--	--
		11/18/2010	719.95	31.75	26.77	693.18	--	--
		12/6/2010	719.95	31.80	26.54	693.41	--	--
	MW-0814-S2	12/10/2008	NM	NM	29.01	NM	--	--
		1/26/2009	NM	30.95	28.03	694.34	--	--
		2/24/2009	NM	30.95	26.97	695.40	--	--
		3/17/2009	NM	30.95	27.83	694.54	--	--
		4/7/2009	722.37	30.95	26.70	695.67	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		6/15/2009	722.37	31.28	26.81	695.56	--	--
		7/30/2009	722.37	NM	26.29	696.08	--	--
		8/26/2009	722.37	NM	28.49	693.88	--	--
		9/25/2009	722.37	31.28	28.80	693.57	--	--
		11/2/2009	722.37	31.06	28.61	693.76	--	--
		12/18/2009	722.37	31.06	28.76	693.61	--	--
		1/22/2010	722.37	31.10	28.76	693.61	--	--
		2/22/2010	722.37	NM	28.42	693.95	--	--
		3/23/2010	722.37	NM	27.60	694.77	--	--
		5/24/2010	722.37	NM	27.80	694.57	--	--
		7/20/2010	722.37	NM	27.11	695.26	--	--
		8/23/2010	722.37	NM	28.51	693.86	--	--
		10/14/2010	722.37	31.08	28.78	693.59	--	--
		11/18/2010	722.37	31.25	29.11	693.26	--	--
		12/6/2010	722.37	31.30	29.05	693.32	--	--
	MW-0815-S2	12/10/2008	722.23	NM	29.06	NM	--	--
		1/26/2009	722.23	31.26	28.28	693.95	--	--
		2/24/2009	722.23	31.26	27.38	694.85	--	--
		3/17/2009	722.23	31.26	28.09	694.14	--	--
		4/7/2009	722.23	31.26	26.62	695.61	--	--
		6/15/2009	722.23	31.68	26.89	695.34	--	--
		7/30/2009	722.23	NM	26.74	695.49	--	--
		8/26/2009	722.23	NM	28.59	693.64	--	--
		9/25/2009	722.23	31.68	28.47	693.76	--	--
		11/2/2009	722.23	31.47	28.47	693.76	--	--
		12/18/2009	722.23	31.47	28.57	693.66	--	--
		1/22/2010	722.23	31.50	28.57	693.66	--	--
		2/22/2010	722.23	NM	28.51	693.72	--	--
		3/23/2010	722.23	NM	27.76	694.47	--	--
		5/24/2010	722.23	NM	27.80	694.43	--	--
		7/20/2010	722.23	NM	27.32	694.91	--	--
		8/23/2010	722.23	NM	28.66	693.57	--	--
		10/14/2010	722.23	31.50	28.88	693.35	--	--
		11/18/2010	722.23	31.90	29.11	693.12	--	--
		12/6/2010	722.23	31.50	29.06	693.17	--	--
	MW-0816-S2	12/10/2008	722.11	NM	29.06	NM	--	--
		1/26/2009	722.11	35.90	28.30	693.81	--	--
		2/24/2009	722.11	35.90	28.08	694.03	--	--
		3/17/2009	722.11	35.90	28.30	693.81	--	--
		4/7/2009	722.11	35.90	26.60	695.51	--	--
		6/15/2009	722.11	36.33	26.81	695.30	--	--
		7/30/2009	722.11	NM	26.46	695.65	--	--
		8/26/2009	722.11	NM	28.88	693.23	--	--
		9/25/2009	722.11	36.33	28.49	693.62	--	--
		11/2/2009	722.11	36.15	28.71	693.40	--	--
		12/18/2009	722.11	36.15	28.67	693.44	--	--
		1/22/2010	722.11	36.15	28.67	693.44	--	--
		2/22/2010	722.11	NM	28.40	693.71	--	--
		3/23/2010	722.11	NM	28.00	694.11	--	--
		5/24/2010	722.11	NM	28.15	693.96	--	--
		7/20/2010	722.11	NM	28.02	694.09	--	--
		8/23/2010	722.11	NM	29.07	693.04	--	--
		10/14/2010	722.11	36.11	29.31	692.80	--	--
		11/18/2010	722.11	36.25	29.42	692.69	--	--
		12/6/2010	722.11	36.25	29.31	692.80	--	--
	MW-16-S2	5/17/2001	720.56	24.50	22.31	698.25	--	--
		3/15/2002	720.56	NM	21.60	698.96	--	Sheen
		5/24/2002	720.56	NM	16.75	703.81	--	--
		8/15/2002	720.56	NM	20.21	700.35	--	--
		5/22/2003	720.56	NM	16.68	703.88	--	--
		11/19/2003	720.56	NM	21.37	699.19	--	--
		5/19/2004	720.56	24.50	16.63	703.93	--	--
		6/30/2005	720.56	24.50	20.79	699.77	--	--
		9/30/2005	720.56	24.31	21.00	699.56	--	--
		12/6/2005	720.56	24.50	20.88	699.68	--	--
		12/22/2005	720.56	24.31	21.70	698.86	--	--
		3/30/2006	720.56	24.50	17.68	702.88	--	--
		4/11/2006	720.56	24.00	19.18	701.38	--	--
		6/26/2006	720.56	24.00	19.33	701.23	--	--
		2/2/2007	720.56	24.05	17.84	702.72	--	--
		10/8/2007	720.56	24.29	22.98	697.58	--	--
		1/18/2008	720.56	NM	NM	720.56	--	--
		5/20/2008	720.56	NM	19.27	701.29	--	--
		12/10/2008	720.56	NM	22.25	698.31	--	--
		4/7/2009	720.56	24.05	18.69	701.87	--	--
		9/25/2009	720.56	23.95	22.25	698.31	--	--
		11/2/2009	720.56	24.09	21.78	698.78	--	--
		4/30/2010	720.56	24.02	19.46	701.10	--	--
		5/24/2010	720.56	24.08	19.91	700.65	--	--
		10/14/2010	720.56	NM	23.20	697.36	--	--
	MW-28-S2	5/16/2001	722.34	NM	29.63	692.71	--	--
		8/17/2001	722.34	32.60	29.38	692.96	28.42	0.96
		3/14/2002	722.34	NM	27.00	695.34	26.98	0.02
		4/16/2002	722.34	32.47	26.68	695.66	26.67	0.01
		5/24/2002	722.34	NM	25.34	697.00	25.33	0.01
		6/27/2002	722.34	32.50	26.72	695.62	26.71	0.01
		7/22/2002	722.34	32.50	27.81	694.53	27.80	0.01
		8/15/2002	722.34	32.50	28.34	694.00	28.32	0.02
		9/17/2002	722.34	32.50	29.50	692.84	28.80	0.70
		10/29/2002	722.34	32.50	29.20	693.14	--	--
		11/22/2002	722.34	32.55	29.26	693.08	28.56	0.70
		12/18/2002	722.34	32.54	30.47	691.87	28.81	1.66

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		1/21/2003	722.34	32.50	29.03	693.31	28.61	0.42
		5/22/2003	722.34	32.50	26.60	695.74	26.56	0.04
		8/4/2003	722.34	31.30	27.24	695.10	27.23	0.01
		10/21/2003	722.34	31.30	27.34	695.00	--	--
		11/19/2003	722.34	NM	27.79	694.55	--	--
		12/17/2003	722.34	32.50	28.55	693.79	--	--
		1/21/2004	722.34	32.40	26.98	695.36	--	--
		5/17/2004	722.34	NM	Dry	Dry	--	--
		8/31/2004	722.34	NM	23.32	699.02	--	--
		11/19/2004	722.34	32.50	27.40	694.94	--	--
		1/31/2005	722.34	32.50	24.96	697.38	--	--
		2/24/2005	722.34	32.50	22.61	699.73	--	--
		3/29/2005	722.34	32.50	27.60	694.74	--	--
		4/28/2005	722.34	32.50	22.32	700.02	--	--
		5/31/2005	722.34	32.50	27.49	694.85	--	--
		6/29/2005	722.34	32.50	27.64	694.70	--	--
		7/29/2005	722.34	31.31	28.07	694.27	--	--
		8/31/2005	722.34	31.31	28.32	694.02	--	--
		9/30/2005	722.34	32.50	27.37	694.97	--	--
		10/31/2005	722.34	32.50	28.53	693.81	--	--
		11/29/2005	722.34	32.50	27.78	694.56	--	--
		12/22/2005	722.34	32.50	28.08	694.26	--	--
		1/20/2006	722.34	31.53	27.40	694.94	--	Sheen
		1/31/2006	722.34	32.50	27.57	694.77	--	Sheen
		2/28/2006	722.34	32.50	27.53	694.81	--	Sheen
		3/30/2006	722.34	32.50	26.81	695.53	--	Sheen
		4/11/2006	722.34	32.50	28.31	694.03	--	Sheen
		4/28/2006	722.34	32.50	28.13	694.21	--	Sheen
		5/30/2006	722.34	32.50	28.44	693.90	--	Sheen
		6/26/2006	722.34	32.50	27.70	694.64	--	Sheen
		8/16/2006	722.34	31.11	28.07	694.27	--	Sheen
		8/29/2006	722.34	31.11	28.19	694.15	--	Sheen
		9/26/2006	722.34	31.11	27.82	694.52	--	Sheen
		10/18/2006	722.34	31.11	28.06	694.28	--	Sheen
		11/23/2006	722.34	31.11	26.87	695.47	--	Sheen
		12/18/2006	722.34	31.11	26.60	695.74	--	Sheen
		1/16/2007	722.34	31.60	24.71	697.63	--	--
		2/2/2007	722.34	31.60	24.97	697.37	--	--
		2/22/2007	722.34	31.60	24.43	697.91	--	--
		3/20/2007	722.34	31.60	26.84	695.50	--	--
		4/24/2007	722.34	31.60	27.54	694.80	--	--
		5/17/2007	722.34	31.60	27.44	694.90	--	--
		6/26/2007	722.34	31.60	28.76	693.58	--	--
		10/8/2007	722.34	31.77	29.70	692.64	28.88	0.82
		12/13/2007	722.34	31.77	29.20	693.14	28.70	0.50
		1/18/2008	722.34	NM	NM	722.34	--	0.10
		5/19/2008	722.34	NM	28.74	693.60	28.64	--
		7/31/2008	722.34	31.45	27.85	694.49	27.75	0.10
		8/27/2008	722.34	31.48	28.91	693.43	28.75	0.16
		9/25/2008	722.34	NM	28.68	693.66	--	Sheen
		10/29/2008	722.34	31.44	29.01	693.33	28.90	0.11
		11/24/2008	722.34	NM	28.93	693.41	28.75	0.18
		12/10/2008	722.34	NM	29.21	693.13	28.82	0.39
		1/26/2009	722.34	31.23	29.10	693.31	29.01	0.09
		2/24/2009	722.34	31.23	27.21	695.13	--	--
		3/17/2009	722.34	31.23	27.81	694.53	--	--
		3/24/2009	722.34	NM	28.86	NM	28.74	0.12
		4/7/2009	722.34	31.23	27.46	694.88	--	Globules
		6/15/2009	722.34	31.56	26.71	695.63	--	--
		7/30/2009	722.34	NM	27.24	695.10	--	--
		8/26/2009	722.34	NM	28.59	693.75	--	--
		9/25/2009	722.34	31.56	28.91	693.43	--	--
		11/2/2009	722.34	31.51	28.40	693.94	--	--
		12/18/2009	722.34	31.51	28.67	693.67	--	--
		1/22/2010	722.37	31.42	28.67	693.70	--	--
		2/22/2010	722.37	NM	28.57	693.80	--	--
		3/23/2010	722.37	NM	27.61	694.76	--	--
		5/24/2010	722.37	NM	27.55	694.82	--	--
		7/20/2010	722.37	NM	26.84	695.53	--	--
		8/23/2010	722.37	NM	28.23	694.14	--	--
		10/14/2010	722.37	31.30	28.55	693.82	--	--
		11/18/2010	722.37	31.43	28.89	693.48	--	--
		12/6/2010	722.37	NM	28.80	693.57	--	--
	MW-30-S2	5/16/2001	721.25	NM	27.85	693.40	--	--
		8/17/2001	721.25	34.00	27.63	693.62	27.61	0.02
		3/14/2002	721.25	NM	26.30	694.95	--	Sheen
		4/16/2002	721.25	33.43	25.81	695.44	25.80	0.01
		5/24/2002	721.25	NM	24.91	696.34	--	--
		6/27/2002	721.25	33.43	25.42	695.83	25.41	0.01
		7/22/2002	721.25	33.45	27.07	694.18	27.06	0.01
		8/15/2002	721.25	NM	27.60	693.65	--	--
		9/17/2002	721.25	33.45	28.01	693.24	--	--
		10/29/2002	721.25	33.45	28.05	693.20	--	--
		11/22/2002	721.25	33.50	27.97	693.28	--	--
		12/18/2002	721.25	33.39	28.13	693.12	--	--
		1/21/2003	721.25	NM	NM	NM	NM	NM
		5/22/2003	721.25	33.38	25.95	695.30	--	--
		8/1/2003	721.25	33.36	26.71	694.54	26.70	0.01
		11/19/2003	721.25	NM	26.81	694.44	--	--
		1/21/2004	721.25	33.44	26.02	695.23	--	--
		5/17/2004	721.25	NM	27.26	693.99	--	--
		11/19/2004	721.25	33.45	27.42	693.83	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/29/2005	721.25	33.45	26.58	694.67	--	--
		6/29/2005	721.25	33.45	26.71	694.54	--	--
		9/30/2005	721.25	33.45	27.40	693.85	--	--
		12/22/2005	721.25	33.45	28.12	693.13	--	--
		1/20/2006	721.25	33.25	26.55	694.70	--	Sheen
		3/30/2006	721.25	33.45	26.57	694.68	--	Sheen
		4/11/2006	721.25	33.31	26.56	694.69	--	Sheen
		6/26/2006	721.25	33.31	26.92	694.33	--	Sheen
		2/2/2007	721.25	34.45	24.97	696.28	--	--
		10/8/2007	721.25	33.34	28.27	692.98	--	--
		1/18/2008	721.25	NM	NM	NM	--	--
		5/19/2008	721.25	NM	26.91	NM	--	--
		9/25/2008	721.25	NM	27.91	NM	27.85	0.06
		12/10/2008	721.25	NM	28.00	NM	--	--
		1/26/2009	721.25	33.29	28.20	693.05	--	--
		2/24/2009	721.25	33.29	26.84	694.41	--	--
		3/17/2009	721.25	33.29	27.25	694.00	--	--
		4/7/2009	721.25	33.29	26.03	695.22	--	--
		6/15/2009	721.25	33.41	26.01	695.24	--	--
		7/30/2009	721.25	NM	26.97	694.28	--	--
		8/26/2009	721.25	NM	27.69	693.56	--	--
		9/25/2009	721.25	33.41	28.13	693.12	--	--
		11/2/2009	721.25	33.28	27.69	693.56	--	--
		12/18/2009	721.25	33.28	28.75	692.50	--	--
		1/22/2010	721.25	33.31	28.75	692.50	--	--
		2/22/2010	721.25	NM	27.41	693.84	--	--
		3/23/2010	721.25	NM	26.90	694.35	--	--
		5/24/2010	721.25	NM	26.90	694.35	--	--
		7/20/2010	721.25	NM	26.55	694.70	--	--
		8/23/2010	721.25	NM	27.82	693.43	--	--
		10/14/2010	721.25	33.30	28.28	692.97	28.24	0.04
		11/18/2010	721.25	NM	28.47	692.80	28.44	0.03
		12/6/2010	721.25	NM	NM	NM	--	--
	MW-31-S2	5/16/2001	721.10	NM	25.40	695.70	--	--
		8/17/2001	721.10	32.50	26.20	694.90	26.18	0.02
		3/14/2002	721.10	NM	24.91	696.19	--	Sheen
		4/16/2002	721.10	31.98	24.11	696.99	24.10	0.01
		5/24/2002	721.10	NM	23.12	697.98	--	--
		6/27/2002	721.10	32.00	24.21	696.89	24.20	0.01
		7/22/2002	721.10	32.02	25.23	695.87	25.22	0.01
		8/15/2002	721.10	NM	25.95	695.15	--	--
		9/17/2002	721.10	32.01	26.60	694.50	--	--
		10/29/2002	721.10	32.02	26.65	694.45	26.64	0.01
		11/22/2002	721.10	32.08	26.41	694.69	--	--
		12/18/2002	721.10	31.99	26.69	694.41	--	--
		1/21/2003	721.10	32.02	25.82	695.28	--	--
		5/22/2003	721.10	31.92	24.22	696.88	--	--
		8/1/2003	721.10	32.00	24.76	696.34	--	--
		11/19/2003	721.10	NM	27.68	693.42	--	--
		1/21/2004	721.10	31.90	26.87	694.23	--	--
		5/19/2004	721.10	32.01	24.39	696.71	--	--
		11/19/2004	721.10	32.01	24.02	697.08	--	--
		3/29/2005	721.10	32.01	24.58	696.52	--	--
		6/30/2005	721.10	32.01	24.27	696.83	--	--
		9/30/2005	721.10	32.01	24.01	697.09	--	--
		12/22/2005	721.10	NM	NM	NM	NM	NM
		3/30/2006	721.10	NM	NM	NM	NM	NM
		4/11/2006	721.10	32.00	24.68	696.42	--	--
		6/26/2006	721.10	32.00	25.32	695.78	--	--
		2/2/2007	721.10	31.81	23.07	698.03	--	--
		10/8/2007	721.10	31.97	26.83	694.27	--	--
		1/18/2008	721.10	NM	NM	NM	--	--
		5/19/2008	721.10	NM	25.28	NM	--	--
		12/10/2008	721.10	NM	26.83	NM	26.79	0.04
		1/26/2009	721.10	31.80	25.80	695.30	--	--
		2/24/2009	721.10	31.80	24.54	696.56	--	--
		3/17/2009	721.10	31.80	25.27	695.83	--	--
		4/7/2009	721.10	31.80	24.86	696.24	--	--
		6/15/2009	721.10	32.05	23.75	697.35	--	--
		7/30/2009	721.10	NM	24.45	696.65	--	--
		8/26/2009	721.10	NM	25.80	695.30	--	--
		9/25/2009	721.10	32.05	26.48	694.62	--	--
		11/2/2009	721.10	32.00	26.19	694.91	--	--
		12/18/2009	721.10	32.00	26.51	694.59	--	--
		1/22/2010	721.10	32.00	26.51	694.59	--	--
		2/22/2010	721.10	NM	26.04	695.06	--	--
		3/23/2010	721.10	NM	25.33	695.77	--	--
		4/30/2010	721.10	31.98	25.32	695.78	--	--
		5/24/2010	721.10	NM	25.41	695.69	--	--
		7/20/2010	721.10	NM	24.49	696.61	--	--
		8/23/2010	721.10	NM	25.87	695.23	--	--
		10/14/2010	721.10	31.91	26.60	694.50	--	--
		11/18/2010	721.10	31.95	26.86	694.24	--	--
		12/6/2010	721.10	NM	28.33	692.79	28.30	0.03
	MW-32-S2	5/16/2001	722.45	NM	29.12	693.33	--	--
		8/17/2001	722.45	31.60	28.50	693.95	28.49	0.01
		3/14/2002	722.45	NM	26.95	695.50	--	Sheen
		4/16/2002	722.45	31.64	26.51	695.94	26.50	0.01
		5/24/2002	722.45	NM	25.28	697.17	--	--
		6/27/2002	722.45	31.60	26.60	695.85	26.59	0.01
		7/22/2002	722.45	31.06	27.81	694.64	27.80	0.01
		8/15/2002	722.45	NM	23.32	699.13	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/17/2002	722.45	31.60	28.93	693.52	28.92	0.01
		10/29/2002	722.45	31.60	29.00	693.45	--	--
		11/22/2002	722.45	31.65	28.72	693.73	--	--
		12/18/2002	722.45	31.61	29.04	693.41	--	--
		1/21/2003	722.45	31.60	28.41	694.04	--	--
		5/22/2003	722.45	31.63	26.41	696.04	--	--
		8/4/2003	722.45	31.54	27.26	695.19	27.25	0.01
		10/21/2003	722.45	31.55	27.25	695.20	--	--
		11/19/2003	722.45	NM	27.90	694.55	--	--
		12/17/2003	722.45	NM	27.81	694.64	--	--
		1/21/2004	722.45	31.65	26.89	695.56	--	--
		5/17/2004	722.45	31.53	27.64	694.81	--	--
		8/31/2004	722.45	31.60	26.94	695.51	--	--
		11/19/2004	722.45	NM	28.41	694.04	--	--
		1/31/2005	722.45	31.60	24.94	697.51	--	--
		2/24/2005	722.45	31.60	26.20	696.25	--	--
		3/29/2005	722.45	31.60	27.61	694.84	--	--
		4/28/2005	722.45	31.60	25.91	696.54	--	--
		5/31/2005	722.45	31.60	26.98	695.47	--	--
		6/29/2005	722.45	31.60	27.93	694.52	--	--
		7/29/2005	722.45	31.56	28.20	694.25	--	--
		8/31/2005	722.45	31.56	28.45	694.00	--	--
		9/30/2005	722.45	31.60	28.39	694.06	--	--
		10/31/2005	722.45	31.60	28.77	693.68	28.56	0.21
		11/29/2005	722.45	31.60	28.04	694.41	--	--
		12/22/2005	722.45	31.60	29.11	693.34	--	--
		1/20/2006	722.45	31.60	27.40	695.05	--	Sheen
		1/31/2006	722.45	31.55	27.25	695.20	27.18	0.07
		2/28/2006	722.45	31.55	27.20	695.25	27.18	0.02
		3/30/2006	722.45	31.55	27.14	695.31	--	Sheen
		4/11/2006	722.45	31.55	27.18	695.27	--	Sheen
		4/28/2006	722.45	31.55	27.01	695.44	--	Sheen
		5/30/2006	722.45	31.55	27.31	695.14	--	Sheen
		6/26/2006	722.45	31.55	27.51	694.94	--	Sheen
		8/16/2006	722.45	31.58	27.97	694.48	--	Sheen
		8/29/2006	722.45	31.60	28.32	694.13	--	Sheen
		9/26/2006	722.45	31.60	28.04	694.41	--	Sheen
		10/18/2006	722.45	31.60	28.20	694.25	--	Sheen
		11/23/2006	722.45	31.60	26.76	695.69	--	Sheen
		12/18/2006	722.45	31.60	26.38	696.07	--	Sheen
		1/16/2007	722.45	31.95	24.43	698.02	--	--
		2/2/2007	722.45	31.95	25.45	697.00	--	--
		2/22/2007	722.45	31.95	24.21	698.24	--	--
		3/20/2007	722.45	31.95	27.03	695.42	--	--
		4/24/2007	722.45	31.95	27.38	695.07	--	--
		5/17/2007	722.45	31.95	27.30	695.15	--	--
		6/26/2007	722.45	31.95	28.82	693.63	--	--
		12/13/2007	722.45	31.95	29.01	693.44	--	--
		1/18/2008	722.45	NM	NM	NM	--	--
		5/19/2008	722.45	NM	27.69	694.76	--	--
		9/25/2008	722.45	NM	28.69	693.76	--	Sheen
		12/10/2008	722.45	NM	29.27	693.18	28.84	0.43
		1/26/2009	722.45	31.58	28.08	694.49	27.94	0.14
		2/24/2009	722.45	31.58	26.88	695.60	26.84	0.04
		3/17/2009	722.45	31.58	27.68	694.77	--	--
		4/7/2009	722.45	31.58	27.27	695.18	--	--
		6/15/2009	722.45	31.48	27.10	695.35	--	--
		7/30/2009	722.45	NM	27.17	695.28	--	--
		8/26/2009	722.45	NM	28.32	694.13	--	--
		9/25/2009	722.45	31.48	28.90	693.55	--	--
		11/2/2009	722.45	31.61	29.29	693.16	28.50	0.79
		12/18/2009	722.45	31.61	28.90	693.55	28.86	0.04
		1/22/2010	722.46	31.50	28.90	694.12	28.22	0.68
		2/22/2010	722.46	NM	28.65	694.11	28.29	0.36
		3/23/2010	722.46	NM	27.68	694.93	27.50	0.18
		5/24/2010	722.46	NM	27.75	694.79	27.65	0.10
		7/20/2010	722.46	NM	26.81	695.65	--	--
		8/23/2010	722.46	NM	28.30	694.16	--	--
		10/14/2010	722.46	31.52	28.62	693.84	--	--
		11/18/2010	722.46	NM	29.30	693.45	28.95	0.35
		12/6/2010	722.46	NM	29.01	693.53	28.91	0.10
	MW-33-S2	5/16/2001	720.77	NM	27.63	693.14	--	--
		8/17/2001	720.77	30.30	26.55	694.22	25.88	0.67
		3/14/2002	720.77	NM	24.65	696.12	--	Sheen
		4/16/2002	720.77	29.97	23.71	697.06	23.70	0.01
		5/24/2002	720.77	NM	22.25	698.52	22.24	0.01
		6/27/2002	720.77	29.98	23.81	696.96	23.80	0.01
		7/22/2002	720.77	30.00	24.93	695.84	24.81	0.12
		8/15/2002	720.77	29.98	25.73	695.04	25.70	0.03
		9/17/2002	720.77	30.00	27.25	693.52	26.30	0.95
		10/29/2002	720.77	30.00	26.57	694.20	26.35	0.22
		11/22/2002	720.77	30.03	26.56	694.21	26.15	0.41
		12/18/2002	720.77	30.02	27.41	693.36	26.45	0.96
		1/21/2003	720.77	30.00	25.79	694.98	25.72	0.07
		5/22/2003	720.77	29.95	23.90	696.87	--	--
		8/1/2003	720.77	29.95	24.34	696.43	24.29	0.05
		11/19/2003	720.77	NM	24.46	696.31	--	--
		1/21/2004	720.77	29.97	23.65	697.12	--	--
		5/19/2004	720.77	29.95	25.88	694.89	25.56	0.32
		11/19/2004	720.77	29.95	25.42	695.35	25.17	0.25
		3/29/2005	720.77	29.95	24.71	696.06	24.37	0.34
		6/30/2005	720.77	29.95	24.82	695.95	24.33	0.49

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/30/2005	720.77	29.95	25.40	695.37	25.22	0.18
		12/22/2005	720.77	29.95	26.12	694.65	25.77	0.35
		1/20/2006	720.77	29.82	25.06	695.71	--	Sheen
		3/10/2006	720.77	29.95	25.72	695.05	25.08	0.64
		3/30/2006	720.77	29.95	24.39	696.38	24.36	0.03
		4/11/2006	720.77	29.95	24.47	696.30	24.45	0.02
		4/28/2006	720.77	29.95	24.29	696.48	24.27	0.02
		5/30/2006	720.77	29.95	24.60	696.17	--	Sheen
		6/26/2006	720.77	29.95	23.96	696.81	--	Sheen
		8/16/2006	720.77	29.94	26.01	694.76	25.50	0.51
		8/29/2006	720.77	30.03	26.00	694.77	25.87	0.13
		9/26/2006	720.77	30.03	25.72	695.05	25.60	0.12
		10/18/2006	720.77	30.03	25.90	694.87	25.85	0.05
		11/23/2006	720.77	30.03	24.52	696.25	--	Sheen
		12/18/2006	720.77	30.03	24.07	696.70	24.05	0.02
		1/16/2007	720.77	30.03	22.10	698.67	22.07	0.03
		2/2/2007	720.77	30.09	22.31	698.46	--	--
		2/22/2007	720.77	30.09	21.85	698.92	21.79	0.06
		3/20/2007	720.77	30.09	23.95	696.82	23.89	0.06
		4/24/2007	720.77	30.09	24.05	696.72	23.92	0.13
		5/17/2007	720.77	30.09	23.68	697.09	23.67	0.01
		6/26/2007	720.77	30.09	26.22	694.55	26.18	0.04
		7/24/2007	720.77	30.29	27.23	693.54	26.32	0.91
		8/20/2007	720.77	30.29	27.13	693.64	26.30	0.83
		10/8/2007	720.77	29.98	27.46	693.31	26.54	0.92
		10/22/2007	720.77	29.98	26.89	693.88	25.88	1.01
		11/15/2007	720.77	29.98	26.93	693.84	25.85	1.08
		12/13/2007	720.77	30.05	27.04	693.73	26.46	0.58
		1/18/2008	720.77	NM	NM	NM	--	Sheen
		2/8/2008	720.77	NM	NM	NM	--	0.66
		3/10/2008	720.77	NM	NM	NM	--	0.51
		4/7/2008	720.77	NM	NM	NM	--	Sheen
		5/19/2008	720.77	NM	NM	720.77	--	0.14
		6/26/2008	720.77	NM	25.10	695.67	25.10	0.04
		7/31/2008	720.77	30.00	27.25	693.52	27.20	0.05
		8/27/2008	720.77	30.00	27.08	693.69	26.35	0.73
		9/25/2008	720.77	NM	26.21	694.56	26.02	0.19
		10/29/2008	720.77	30.08	27.03	693.74	26.41	0.62
		11/24/2008	720.77	NM	27.03	693.74	26.40	0.63
		12/10/2008	720.77	NM	27.41	693.36	26.54	0.87
		1/26/2009	720.77	30.03	25.60	695.17	--	--
		2/24/2009	720.77	30.03	24.16	696.61	--	--
		3/17/2009	720.77	30.03	24.98	695.79	--	--
		3/24/2009	720.77	NM	27.03	NM	26.41	0.62
		4/7/2009	720.77	30.03	25.16	695.61	--	--
		6/15/2009	720.77	30.06	23.89	697.22	23.48	0.41
		7/30/2009	720.77	NM	24.01	696.76	23.48	0.53
		8/26/2009	720.77	NM	25.76	695.01	25.49	0.27
		9/25/2009	720.77	30.06	26.30	694.47	--	--
		11/2/2009	720.77	29.86	26.17	694.60	26.07	0.10
		12/18/2009	720.77	29.86	26.30	694.47	26.01	0.29
		1/22/2010	720.77	30.00	26.30	694.97	25.69	0.61
		2/22/2010	720.77	NM	25.75	695.02	--	--
		3/23/2010	720.77	NM	25.04	695.76	25.00	0.04
		5/24/2010	720.77	NM	25.17	695.67	25.08	0.09
		7/20/2010	720.77	NM	24.12	696.87	23.86	0.26
		8/23/2010	720.77	NM	25.51	695.31	25.45	0.06
		10/14/2010	720.77	30.00	26.93	694.44	26.21	0.72
		11/18/2010	720.77	NM	27.40	694.16	26.45	0.95
		12/6/2010	720.77	NM	26.86	694.33	26.35	0.51
	MW-34-S2	5/16/2001	720.78	NM	25.90	694.88	--	--
		8/17/2001	720.78	29.80	26.00	694.78	25.53	0.47
		3/14/2002	720.78	NM	24.37	696.41	24.32	0.05
		4/16/2002	720.78	29.69	23.99	696.79	23.98	0.01
		5/24/2002	720.78	NM	NM	NM	NM	NM
		6/27/2002	720.78	29.65	22.87	697.91	22.86	0.01
		7/22/2002	720.78	29.66	24.26	696.52	24.14	0.12
		8/15/2002	720.78	29.65	25.40	695.38	25.35	0.05
		9/17/2002	720.78	29.66	26.64	694.14	26.10	0.54
		10/29/2002	720.78	29.66	26.25	694.53	26.20	0.05
		11/22/2002	720.78	29.72	25.97	694.81	25.94	0.03
		12/18/2002	720.78	29.67	26.35	694.43	26.29	0.06
		1/21/2003	720.78	29.60	25.49	695.29	--	--
		5/22/2003	720.78	29.58	23.52	697.26	--	--
		8/1/2003	720.78	29.95	23.66	697.12	--	--
		11/19/2003	720.78	NM	24.35	696.43	--	--
		1/21/2004	720.78	29.69	23.53	697.25	--	--
		5/19/2004	720.78	29.66	25.04	695.74	25.02	0.02
		11/19/2004	720.78	29.66	24.68	696.10	24.63	0.05
		3/29/2005	720.78	29.66	24.78	696.00	24.63	0.15
		6/30/2005	720.78	29.66	24.72	696.06	24.69	0.03
		9/30/2005	720.78	29.66	24.66	696.12	24.41	0.25
		12/22/2005	720.78	29.66	25.37	695.41	25.10	0.27
		1/20/2006	720.78	29.44	24.90	695.88	--	Sheen
		3/10/2006	720.78	29.55	24.88	695.90	--	Sheen
		3/30/2006	720.78	29.55	23.73	697.05	23.62	0.11
		4/11/2006	720.78	29.55	23.81	696.97	--	Sheen
		4/28/2006	720.78	29.55	23.63	697.15	--	Sheen
		5/30/2006	720.78	29.55	23.94	696.84	--	Sheen
		6/26/2006	720.78	29.53	24.62	696.16	--	Sheen
		8/16/2006	720.78	29.53	25.29	695.49	--	--
		8/29/2006	720.78	29.61	25.56	695.22	--	Sheen

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/26/2006	720.78	29.61	25.32	695.46	--	--
		10/18/2006	720.78	29.61	25.46	695.32	--	--
		11/23/2006	720.78	29.61	24.35	696.43	--	Sheen
		12/18/2006	720.78	29.61	23.71	697.07	--	Sheen
		1/16/2007	720.78	29.61	22.19	698.59	--	--
		2/2/2007	720.78	29.57	21.47	699.31	--	--
		2/22/2007	720.78	29.57	21.95	698.83	--	--
		3/20/2007	720.78	29.57	23.67	697.11	--	--
		4/24/2007	720.78	29.57	23.87	696.91	--	--
		5/17/2007	720.78	29.57	24.42	696.36	--	--
		6/26/2007	720.78	29.57	25.91	694.87	--	--
		10/8/2007	720.78	29.59	26.42	694.36	--	--
		12/13/2007	720.78	29.59	26.24	694.54	--	--
		1/18/2008	720.78	NM	NM	NM	--	--
		5/19/2008	720.78	NM	24.90	695.88	--	--
		9/25/2008	720.78	NM	25.82	694.96	--	Sheen
		12/10/2008	720.78	NM	26.41	694.37	--	--
		1/26/2009	720.78	29.59	25.42	695.36	--	--
		2/24/2009	720.78	29.59	24.19	696.59	--	--
		3/17/2009	720.78	29.59	24.76	696.02	--	--
		4/7/2009	720.78	29.59	24.74	696.04	--	--
		6/15/2009	720.78	29.71	22.55	698.23	--	--
		7/30/2009	720.78	NM	23.12	697.66	--	--
		8/26/2009	720.78	NM	25.25	695.53	--	--
		9/25/2009	720.78	29.71	26.10	694.68	--	--
		11/2/2009	720.78	29.71	25.79	694.99	--	--
		12/18/2009	720.78	29.71	26.23	694.55	--	--
		1/22/2010	720.78	29.52	26.23	694.55		
		2/22/2010	720.78	NM	25.20	695.58	--	--
		3/23/2010	720.78	NM	24.35	696.43	--	--
		5/24/2010	720.78	NM	24.22	696.56	--	--
		7/20/2010	720.78	NM	22.47	698.31		
		8/23/2010	720.78	NM	24.40	696.38	--	--
		10/14/2010	720.78	29.54	25.60	695.18	--	--
		11/18/2010	720.78	29.55	25.85	694.93	--	--
		12/6/2010	720.78	NM	25.51	695.27	--	--
	OSBW-4	4/22/2003	724.13	34.91	24.45	NM	23.80	0.65
		5/13/2003	724.13	34.89	24.05	NM	23.44	0.61
		6/20/2003	724.13	34.90	24.40	NM	23.85	0.55
		8/4/2003	724.13	34.93	23.31	NM	22.89	0.42
		9/18/2003	724.13	34.98	22.10	NM	22.05	0.05
		10/21/2003	724.13	34.80	22.57	NM	--	--
		12/17/2003	724.13	NM	20.64	NM	--	--
		1/21/2004	724.13	34.80	22.21	NM	--	--
		2/24/2004	724.13	34.91	23.35	NM	23.23	0.12
		3/23/2004	724.13	34.91	24.36	NM	24.21	0.15
		4/23/2004	724.13	NM	23.55	NM	--	--
		5/19/2004	724.13	34.91	20.49	NM	20.37	0.12
		6/24/2004	724.13	34.84	26.22	NM	26.21	0.01
		11/19/2004	724.13	34.91	19.98	NM	19.91	0.07
		1/31/2005	724.13	34.91	20.68	NM	20.57	0.11
		2/24/2005	724.13	34.84	25.39	NM	25.36	0.03
		3/29/2005	724.13	34.91	19.77	NM	19.74	0.03
		4/28/2005	724.13	34.91	25.10	NM	25.07	0.03
		5/31/2005	724.13	34.91	22.43	NM	22.38	0.05
		6/29/2005	724.13	34.91	20.24	NM	20.18	0.06
		7/29/2005	724.13	34.85	24.51	NM	24.12	0.39
		8/31/2005	724.13	34.85	24.76	NM	24.42	0.34
		9/30/2005	724.13	34.91	24.89	NM	24.68	0.21
		10/31/2005	724.13	34.84	24.80	NM	24.15	0.65
		11/29/2005	724.13	34.84	24.05	NM	23.48	0.57
		12/22/2005	724.13	34.91	24.62	NM	24.00	0.62
		1/31/2006	724.13	34.91	25.85	NM	25.26	0.59
		2/28/2006	724.13	34.91	25.40	NM	25.23	0.17
		3/30/2006	724.13	34.91	23.55	NM	23.47	0.08
		4/28/2006	724.13	34.91	25.02	NM	24.88	0.14
		5/30/2006	724.13	34.91	24.89	NM	24.68	0.21
		6/26/2006	724.13	34.91	24.73	NM	24.51	0.22
		8/16/2006	724.13	NA	NA	NA	NA	NA
		8/29/2006	724.13	34.82	26.53	698.23	25.77	0.76
		9/26/2006	724.13	34.82	26.44	698.21	25.81	0.63
		10/18/2006	724.13	34.82	26.44	698.06	25.99	0.45
		11/23/2006	724.13	34.82	25.75	698.69	25.38	0.37
		12/18/2006	724.13	34.82	25.48	698.83	25.26	0.22
		1/16/2007	724.13	34.82	23.82	700.40	23.71	0.11
		2/22/2007	724.13	34.82	23.64	700.55	23.57	0.07
		3/20/2007	724.13	34.82	23.45	700.75	23.36	0.09
		4/24/2007	724.13	34.82	24.89	699.29	24.83	0.06
		5/17/2007	724.13	34.82	24.57	699.63	24.48	0.09
		6/26/2007	724.13	34.82	31.10	693.09	31.03	0.07
		7/24/2007	724.13	34.82	27.72	698.05	25.74	1.98
		8/20/2007	724.13	34.82	27.70	698.13	25.65	2.05
		10/22/2007	724.13	34.82	27.25	698.43	25.37	1.88
		11/15/2007	724.13	34.82	27.18	698.52	25.28	1.90
		12/13/2007	724.13	33.35	26.87	699.55	24.10	2.77
		1/18/2008	724.13	NM	NM	NM	--	2.69
		2/8/2008	724.13	NM	NM	NM	--	2.30
		3/10/2008	724.13	NM	NM	NM	--	2.27
		4/7/2008	724.13	NM	NM	NM	--	2.29
		5/20/2008	724.13	NM	NM	NM	--	2.85
		6/26/2008	724.13	NM	26.08	699.14	23.39	1.32
		7/31/2008	724.13	34.83	27.70	698.10	25.68	2.02

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		8/27/2008	724.13	34.80	27.97	698.05	25.68	2.29
		9/25/2008	724.13	NM	NM	NM	NM	NM
		10/29/2008	724.13	33.24	25.81	699.73	24.11	1.70
		11/24/2008	724.13	NM	25.21	699.82	24.12	1.09
		12/10/2008	724.13	NM	26.62	698.98	24.84	1.78
		1/26/2009	724.13	NM	25.34	699.53	24.45	0.89
		3/24/2009	724.13	NM	25.45	699.42	24.56	0.89
		4/7/2009	724.13	NM	21.55	702.59	21.54	0.01
		9/25/2009	724.13	NM	NM	NM	NM	NM
		11/2/2009	724.13	NM	25.39	699.78	24.13	1.26
		12/18/2009	724.13	NM	27.78	697.00	26.99	0.79
		2/22/2010	724.13	34.82	24.15	700.65	23.34	0.81
		3/23/2010	724.13	NM	24.27	700.54	23.45	0.82
		5/24/2010	724.13	NM	24.06	700.79	23.19	0.87
		8/23/2010	724.13	NM	24.41	699.73	24.40	0.01
		10/14/2010	724.13	NM	25.24	698.91	25.22	0.02
		11/18/2010	724.13	NM	24.51	699.63	24.50	0.01
		12/6/2010	724.13	NM	24.19	699.95	24.18	0.01
AOI 41	MW-12	11/2/2009	722.24	24.04	15.21	707.03	--	--
	MW-12-S1	5/18/2001	722.24	24.25	16.35	705.89	--	--
		11/1/2001	722.24	24.22	15.50	706.74	--	--
		3/15/2002	722.24	NM	16.56	705.68	--	Sheen
		5/24/2002	722.24	NM	14.34	707.90	--	--
		8/15/2002	722.24	NM	NM	NM	NM	NM
		5/22/2003	722.24	NM	14.60	707.64	--	--
		11/19/2003	722.24	NM	14.59	707.65	--	--
		5/19/2004	722.24	NM	14.78	707.46	--	--
		11/19/2004	722.24	23.75	14.83	707.41	--	--
		1/31/2005	722.24	23.75	15.59	706.65	--	Sheen
		2/24/2005	722.24	23.75	13.87	708.37	--	Sheen
		3/29/2005	722.24	23.75	14.61	707.63	--	--
		4/28/2005	722.24	23.75	13.58	708.66	--	--
		5/31/2005	722.24	23.75	14.67	707.57	--	--
		6/29/2005	722.24	23.75	14.52	707.72	--	--
		7/29/2005	722.24	23.80	15.08	707.16	--	--
		8/31/2005	722.24	23.80	15.33	706.91	--	--
		9/30/2005	722.24	23.78	14.81	707.43	--	--
		10/31/2005	722.24	23.78	15.27	706.97	--	--
		11/29/2005	722.24	23.78	14.55	707.69	--	--
		12/22/2005	722.24	23.78	15.51	706.73	--	--
		1/31/2006	722.24	23.75	16.23	706.01	--	--
		2/28/2006	722.24	23.75	15.16	707.08	--	--
		3/2/2006	722.24	23.59	15.15	707.09	--	--
		3/30/2006	722.24	23.79	15.18	707.06	--	--
		4/10/2006	722.24	23.79	15.23	707.01	--	--
		4/28/2006	722.24	23.79	15.05	707.19	--	--
		5/30/2006	722.24	23.79	15.36	706.88	--	--
		6/26/2006	722.24	23.79	15.38	706.86	--	--
		8/16/2006	722.24	NA	NA	NA	NA	NA
		8/29/2006	722.24	24.84	15.15	707.09	--	--
		9/26/2006	722.24	24.84	15.36	706.88	--	Sheen
		10/18/2006	722.24	24.84	15.42	706.82	--	--
		11/23/2006	722.24	24.84	15.17	707.07	--	Sheen
		12/18/2006	722.24	24.84	15.10	707.14	--	--
		1/16/2007	722.24	24.84	14.69	707.55	--	--
		2/22/2007	722.24	24.84	21.50	700.74	--	--
		3/20/2007	722.24	24.84	14.89	707.35	--	--
		4/24/2007	722.24	24.84	15.35	706.89	--	--
		5/17/2007	722.24	24.84	15.11	707.13	--	--
		6/26/2007	722.24	24.84	19.41	702.83	--	--
		12/13/2007	722.24	23.90	15.62	706.62	--	--
		1/18/2008	722.24	NM	NM	NM	--	0.01
		5/20/2008	722.24	NM	15.13	707.11	15.12	--
		12/10/2008	722.24	NM	14.95	707.29	--	--
		4/7/2009	722.24	23.93	14.68	707.56	--	--
		5/24/2010	722.24	23.98	14.95	707.29	--	--
AOI 42	MW-0635-S2A	9/25/2009	718.41	26.69	14.41	704.00	--	--
		11/2/2009	718.41	26.71	14.10	704.31	--	--
		4/30/2010	718.41	26.81	14.26	704.15	--	--
		10/14/2010	718.41	26.70	14.78	703.63	--	--
	MW-0635-S3	9/25/2009	718.37	49.31	10.38	707.99	--	--
		11/2/2009	718.37	49.30	10.09	708.28	--	--
		10/14/2010	718.37	49.25	11.90	706.47	--	--
	MW-0636-S2A	9/25/2009	719.12	19.93	15.32	703.80	--	--
		11/2/2009	719.12	19.94	14.98	704.14	--	--
		4/30/2010	719.12	20.06	15.10	704.02	--	--
		10/14/2010	719.12	18.31	15.54	703.58	--	--
	MW-0636-S2B	9/25/2009	719.61	30.99	13.84	705.77	--	--
		11/2/2009	719.61	31.02	13.50	706.11	--	--
		4/30/2010	719.61	31.10	13.58	706.03	--	--
		10/14/2010	719.61	30.55	14.37	705.24	--	--
	MW-0636-S3	9/25/2009	719.67	55.44	11.17	708.50	--	--
		11/2/2009	719.67	55.45	10.86	708.81	--	--
		10/14/2010	719.67	55.45	12.76	706.91	--	--
	MW-0707-S2B	9/25/2009	719.56	30.98	13.79	705.77	--	--
		11/2/2009	719.56	30.99	13.45	706.11	--	--
		4/30/2010	719.56	31.06	13.49	706.07	--	--
		10/14/2010	719.56	29.50	14.29	705.27	--	--
	MW-0708-S2A	9/25/2009	719.44	21.06	16.61	702.83	--	--
		11/2/2009	719.44	21.12	16.27	703.17	--	--
		4/30/2010	719.44	21.20	16.40	703.04	--	--
		10/14/2010	719.44	21.03	16.84	702.60	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0804-S2A	9/25/2009	719.57	26.11	15.98	703.59	--	--
		11/2/2009	719.57	26.11	15.64	703.93	--	--
		4/30/2010	719.57	26.20	15.84	703.73	--	--
		10/14/2010	719.57	26.00	16.27	703.30	--	--
	MW-0805-S2B	9/25/2009	719.68	33.07	13.91	705.77	--	--
		11/2/2009	719.68	33.07	13.51	706.17	--	--
		4/30/2010	719.68	33.14	13.61	706.07	--	--
		10/14/2010	719.68	32.67	14.38	705.30	--	--
	MW-0808-S2A	9/25/2009	719.60	30.24	16.40	703.20	--	--
		11/2/2009	719.60	30.18	16.09	703.51	--	--
		4/30/2010	719.60	30.30	16.25	703.35	--	--
		10/14/2010	719.60	29.92	16.67	702.93	--	--
	PZ-42-0701-S2A	9/25/2009	719.42	32.35	13.63	705.79	--	--
		11/2/2009	719.42	14.60	13.34	706.08	--	--
		4/30/2010	719.42	31.31	13.38	706.04	--	--
		10/14/2010	719.42	16.55	14.18	705.24	--	--
	PZ-42-0702-S2A	9/25/2009	719.71	23.82	15.68	704.03	--	--
		11/2/2009	719.71	23.65	15.43	704.28	--	--
		4/30/2010	719.71	23.79	15.61	704.10	--	--
		10/14/2010	719.71	23.42	16.12	703.59	--	--
AOI 43	L_Eagle Cr_10thSt Br	9/25/2009	729.44	NM	NM	NM	NM	NM
		11/2/2009	729.44	NM	26.32	703.12	--	--
		10/14/2010	729.44	NM	26.55	702.89	--	--
	MW-0612-S2B	9/25/2009	719.31	30.41	12.88	706.43	--	--
		11/2/2009	719.31	30.40	13.17	706.14	--	--
		4/30/2010	719.31	30.50	13.14	706.17	--	--
		10/14/2010	719.31	30.40	13.52	705.79	--	--
	MW-0613-S2A	9/25/2009	719.76	17.92	13.53	706.23	--	--
		11/2/2009	719.76	17.93	13.45	706.31	--	--
		4/30/2010	719.76	18.00	13.23	706.53	--	--
		10/14/2010	719.76	17.62	13.44	706.32	--	--
	MW-0614-S2B	9/25/2009	719.66	31.76	13.85	705.81	--	--
		11/2/2009	719.66	31.72	13.51	706.15	--	--
		4/30/2010	719.66	32.02	13.52	706.14	--	--
		10/14/2010	719.66	31.40	14.40	705.26	--	--
	MW-0637-S2B	9/25/2009	719.65	37.82	17.31	702.34	--	--
		11/2/2009	719.65	37.85	16.98	702.67	--	--
		4/30/2010	719.65	37.19	17.15	702.50	--	--
		10/14/2010	719.65	37.62	17.48	702.17	--	--
	MW-0637-S3	9/25/2009	719.78	50.31	13.48	706.30	--	--
		11/2/2009	719.78	50.81	13.09	706.69	--	--
		10/14/2010	719.78	50.40	14.76	705.02	--	--
	MW-0806-S2A	9/25/2009	719.65	24.57	15.32	704.33	--	--
		11/2/2009	719.65	24.62	15.65	704.00	--	--
		4/30/2010	719.65	24.70	15.00	704.65	--	--
		10/14/2010	719.65	24.20	15.10	704.55	--	--
	MW-0807-S2A	9/25/2009	719.41	26.18	16.86	702.55	--	--
		11/2/2009	719.41	26.20	16.51	702.90	--	--
		4/30/2010	719.41	26.30	16.68	702.73	--	--
		10/14/2010	719.41	24.50	17.07	702.34	--	--
	MW-0812-S2A	9/25/2009	719.63	29.76	17.09	702.54	--	--
		11/2/2009	719.63	29.77	16.83	702.80	--	--
		4/30/2010	719.63	29.85	17.00	702.63	--	--
		10/14/2010	719.63	29.75	17.33	702.30	--	--
	MW-0813-S2A	9/25/2009	719.77	25.12	17.87	701.90	--	--
		11/2/2009	719.77	25.17	17.55	702.22	--	--
		4/30/2010	719.77	26.30	17.72	702.05	--	--
		10/14/2010	719.77	25.12	17.98	701.79	--	--
	MW-0901-S2B	9/25/2009	719.72	44.91	13.37	706.35	--	--
		11/2/2009	719.72	44.94	13.00	706.72	--	--
		4/30/2010	719.72	45.00	13.11	706.61	--	--
		10/14/2010	719.72	44.90	14.54	705.18	--	--
	MW-0901-S3	9/25/2009	719.68	54.54	11.87	707.81	--	--
		11/2/2009	719.68	54.58	11.57	708.11	--	--
		10/14/2010	719.68	54.52	13.63	706.05	--	--
	MW-0902-S3	9/25/2009	719.68	50.04	13.34	706.34	--	--
		11/2/2009	719.68	50.07	12.98	706.70	--	--
		10/14/2010	719.68	50.05	14.58	705.10	--	--
AOI 46	MW-0638-S2B	9/25/2009	719.85	34.03	16.82	703.03	--	--
		11/2/2009	719.85	34.00	16.86	702.99	--	--
		4/30/2010	719.85	34.10	15.93	703.92	--	--
		10/14/2010	719.85	34.00	17.12	702.73	--	--
AOI 50	MW-10-S2	9/25/2009	719.44	22.06	18.22	701.22	--	--
		11/2/2009	719.44	22.05	18.01	701.43	--	--
		10/14/2010	719.44	22.00	18.46	700.98	--	--
AOI 51	MW-0102-S2	9/25/2009	717.45	34.20	20.50	696.95	--	--
		11/2/2009	717.45	34.24	20.32	697.13	--	--
		4/30/2010	717.45	34.62	19.44	698.01	--	--
		10/14/2010	717.45	NM	20.78	696.67	--	--
	MW-0108-S2B	9/25/2009	719.10	36.29	21.75	697.35	--	--
		11/2/2009	719.10	36.24	26.94	692.16	--	--
		4/30/2010	719.10	36.90	20.97	698.13	--	--
		10/14/2010	719.10	36.32	21.96	697.14	--	--
	MW-0109-S2B	9/25/2009	719.39	36.50	22.20	697.19	--	--
		11/2/2009	719.39	36.45	22.23	697.16	--	--
		4/30/2010	719.39	37.08	21.27	698.12	--	--
		10/14/2010	719.39	36.40	22.41	696.98	--	--
	MW-0111-S2	3/15/2002	719.63	NM	20.72	698.91	--	--
		5/23/2002	719.63	NM	17.51	702.12	--	--
		8/13/2002	719.63	NM	21.27	698.36	--	--
		11/19/2002	719.63	NM	21.82	697.81	--	--
		5/22/2003	719.63	NM	19.82	699.81	--	Globules

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/19/2003	719.63	NM	21.03	698.60	--	Globules
		5/18/2004	719.63	31.65	21.13	698.50	--	Globules
		6/24/2004	719.63	NM	20.32	699.31	--	Globules
		8/31/2004	719.63	NM	23.13	696.50	--	Globules
		9/30/2004	719.63	NM	20.55	699.08	--	Globules
		10/28/2004	719.63	NM	20.32	699.31	--	Globules
		11/19/2004	719.63	31.65	20.74	698.89	--	Globules
		12/7/2004	719.63	NM	21.01	698.62	--	Globules
		1/31/2005	719.63	31.65	20.30	699.33	--	--
		2/24/2005	719.63	31.65	19.92	699.71	--	--
		3/29/2005	719.63	31.65	20.56	699.07	--	Globules
		4/28/2005	719.63	31.65	19.63	700.00	--	Globules
		5/31/2005	719.63	31.65	20.22	699.41	--	--
		6/29/2005	719.63	31.65	20.49	699.14	--	--
		7/29/2005	719.63	31.75	21.58	698.05	21.55	0.03
		8/31/2005	719.63	31.75	21.83	697.80	--	--
		9/30/2005	719.63	31.75	20.72	698.91	--	--
		10/31/2005	719.63	31.75	20.83	698.80	--	--
		11/29/2005	719.63	31.75	20.10	699.53	--	--
		12/6/2005	719.63	31.75	21.62	698.01	--	--
		12/22/2005	719.63	31.65	21.44	698.19	21.41	0.03
		1/31/2006	719.63	31.65	20.90	698.73	--	--
		2/28/2006	719.63	31.65	20.98	698.65	--	--
		3/30/2006	719.63	31.65	20.13	699.50	--	--
		4/10/2006	719.63	31.65	20.21	699.42	--	--
		4/28/2006	719.63	31.65	20.03	699.60	--	--
		5/30/2006	719.63	31.65	20.34	699.29	--	--
		6/26/2006	719.63	31.65	20.36	699.27	--	--
		8/16/2006	719.63	NA	NA	NA	NA	NA
		8/29/2006	719.63	NA	NA	NA	NA	NA
		9/26/2006	719.63	31.80	21.51	698.12	21.46	0.05
		10/18/2006	719.63	31.80	21.70	697.93	--	--
		11/23/2006	719.63	31.80	20.97	698.66	--	Sheen
		12/18/2006	719.63	31.80	20.56	699.07	--	Sheen
		1/16/2007	719.63	31.80	18.59	701.04	--	Sheen
		2/2/2007	719.63	31.54	18.47	701.16	--	--
		2/22/2007	719.63	31.54	18.14	701.49	--	--
		3/20/2007	719.63	31.54	18.56	701.07	--	--
		4/24/2007	719.63	31.54	19.08	700.55	--	--
		5/17/2007	719.63	31.54	20.16	699.47	--	--
		6/26/2007	719.63	31.54	22.31	697.32	--	--
		10/8/2007	719.63	32.78	23.60	696.03	23.57	0.03
		12/13/2007	719.63	31.87	22.13	697.50	22.08	0.05
		1/18/2008	719.63	NM	NM	NM	--	--
		5/20/2008	719.63	NM	22.31	697.32	--	--
		12/10/2008	719.63	NM	23.36	696.27	23.31	0.05
		2/10/2009	719.64	NM	NM	NM	--	--
		3/27/2009	719.64	NM	NM	NM	--	--
		4/7/2009	719.64	31.80	21.04	698.64	20.99	0.05
		9/25/2009	719.64	31.81	22.41	697.23	22.29	0.12
		11/2/2009	719.64	31.85	22.07	697.59	22.04	0.03
		12/18/2009	719.64	NM	22.31	697.33	22.31	--
		2/22/2010	719.64	31.80	21.91	697.73	21.91	Globules
		3/23/2010	719.64	NM	21.67	697.97	--	Globules
		4/30/2010	719.64	31.80	21.48	698.16	--	--
		5/24/2010	719.64	31.95	21.30	698.34	--	--
		10/14/2010	719.64	NM	22.65	696.99	--	--
		11/18/2010	719.64	NM	23.05	696.59	--	--
		12/6/2010	719.64	NM	22.49	697.16	22.48	0.01
	MW-0201-S2A	9/25/2009	719.04	20.05	17.95	701.09	--	--
		11/2/2009	719.04	27.96	17.66	701.38	--	--
		4/30/2010	719.04	28.22	16.44	702.60	--	--
		10/14/2010	719.04	28.16	18.32	700.72	--	--
		12/6/2010	719.04	NM	NM	NM	--	--
	MW-0201-S3	9/25/2009	718.61	53.27	24.40	694.21	--	--
		11/2/2009	718.61	53.41	24.40	694.21	--	--
		8/3/2010	718.61	53.35	23.15	695.46	--	--
		10/14/2010	718.61	53.50	23.76	694.85	--	--
	MW-0202-S2A	8/14/2002	718.79	NM	17.65	701.14	--	--
		5/22/2003	718.79	23.50	15.08	703.71	--	--
		11/20/2003	718.79	23.50	17.27	701.52	--	--
		5/17/2004	718.79	NM	17.21	701.58	--	--
		11/19/2004	718.79	23.48	16.82	701.97	--	--
		3/21/2005	718.79	23.48	16.86	701.93	--	--
		6/28/2005	718.79	23.30	17.87	700.92	--	--
		12/6/2005	718.79	23.48	17.33	701.46	--	--
		1/11/2006	718.79	24.41	17.12	701.67	--	--
		4/10/2006	718.79	23.52	15.79	703.00	--	--
		2/2/2007	718.79	23.38	14.25	704.54	--	--
		1/18/2008	718.79	NM	NM	NM	--	--
		5/19/2008	718.79	NM	16.50	702.29	--	--
		12/10/2008	718.79	NM	18.75	700.04	--	--
		2/10/2009	718.79	23.69	17.82	700.97	--	--
		3/27/2009	718.79	23.39	17.41	701.38	--	--
		4/7/2009	718.79	23.30	16.92	701.87	--	--
		9/25/2009	718.79	23.42	18.33	700.46	--	--
		11/2/2009	718.79	23.32	18.09	700.70	--	--
		2/22/2010	718.79	23.57	17.90	700.89	--	--
		4/30/2010	718.79	23.60	16.62	702.17	--	--
		8/23/2010	718.79	23.68	17.18	701.61	--	--
		10/14/2010	718.79	NM	18.73	700.06	--	--
		12/6/2010	718.79	23.50	18.33	700.46	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0202-S2B	3/15/2002	718.70	NM	22.00	696.70	--	--
		8/14/2002	718.70	NM	22.82	695.88	--	--
		5/22/2003	718.70	54.75	21.39	697.31	--	--
		11/20/2003	718.70	54.75	22.25	696.45	--	--
		5/17/2004	718.70	NM	22.76	695.94	--	--
		11/19/2004	718.70	52.82	22.37	696.33	--	--
		3/18/2005	718.70	52.82	22.33	696.37	--	--
		12/6/2005	718.70	52.82	22.82	695.88	--	--
		1/11/2006	718.70	52.89	22.98	695.72	--	--
		4/10/2006	718.70	52.91	21.66	697.04	--	--
		2/2/2007	718.70	52.76	20.55	698.15	--	--
		1/18/2008	718.70	NM	NM	NM	--	--
		5/19/2008	718.70	NM	16.50	NM	--	--
		2/10/2009	719.03	34.65	22.13	696.90	--	--
		3/27/2009	719.03	34.69	21.10	697.93	--	--
		4/7/2009	719.03	34.50	21.28	697.75	--	--
		9/25/2009	719.03	34.75	22.35	696.68	--	--
		11/2/2009	719.03	34.55	21.40	697.63	--	--
		2/22/2010	719.03	53.00	24.30	694.73	--	--
		4/30/2010	719.03	35.26	20.96	698.07	--	--
		8/23/2010	719.03	34.99	21.04	697.99	--	--
		10/14/2010	719.03	NM	21.94	697.09	--	--
		12/6/2010	719.03	34.05	22.53	696.50	--	--
	MW-0202-S3	9/25/2009	718.70	53.22	25.40	693.30	--	--
		11/2/2009	718.70	52.80	24.28	694.42	--	--
		8/3/2010	718.70	34.78	20.03	698.67	--	--
		10/14/2010	718.70	NM	23.94	694.76	--	--
	MW-0209-S2B	9/25/2009	719.30	36.80	18.80	700.50	--	--
		11/2/2009	719.30	36.70	18.37	700.93	--	--
		4/30/2010	719.30	37.30	18.07	701.23	--	--
		10/14/2010	719.30	36.90	17.95	701.35	--	--
	MW-0210-S3	9/25/2009	718.47	51.63	24.99	693.48	--	--
		11/2/2009	718.47	51.40	24.89	693.58	--	--
		8/3/2010	718.47	52.02	22.88	695.59	--	--
		10/14/2010	718.47	NM	NM	NM	--	--
	MW-0401-S2B	5/18/2004	719.76	37.45	21.37	698.39	--	--
		11/19/2004	719.76	37.45	20.98	698.78	--	--
		1/31/2005	719.76	37.45	20.57	699.19	--	--
		2/24/2005	719.76	37.45	20.02	699.74	--	--
		3/29/2005	719.76	37.45	20.71	699.05	--	--
		4/28/2005	719.76	37.45	19.73	700.03	--	--
		5/31/2005	719.76	37.45	20.54	699.22	--	--
		6/29/2005	719.76	37.45	21.02	698.74	--	--
		7/29/2005	719.76	37.50	21.73	698.03	--	--
		8/31/2005	719.76	37.50	21.98	697.78	--	--
		9/30/2005	719.76	37.49	20.96	698.80	--	--
		10/31/2005	719.76	37.49	21.62	698.14	--	--
		11/29/2005	719.76	37.49	21.10	698.66	--	--
		12/22/2005	719.76	37.49	21.69	698.07	--	--
		1/31/2006	719.76	37.45	20.66	699.10	--	--
		2/28/2006	719.76	37.45	20.74	699.02	--	--
		3/30/2006	719.76	37.25	20.21	699.55	--	--
		4/10/2006	719.76	37.25	20.25	699.51	--	--
		4/28/2006	719.76	37.25	20.07	699.69	--	--
		5/30/2006	719.76	37.25	20.38	699.38	--	--
		6/26/2006	719.76	37.25	20.41	699.35	--	--
		8/16/2006	719.76	NA	NA	NA	NA	NA
		8/29/2006	719.76	37.27	21.86	697.90	--	--
		9/26/2006	719.76	37.27	21.81	697.95	--	--
		10/18/2006	719.76	37.27	21.83	697.93	--	--
		11/23/2006	719.76	37.27	20.98	698.78	--	--
		12/18/2006	719.76	37.27	20.62	699.14	--	--
		1/16/2007	719.76	37.27	18.75	701.01	--	--
		2/2/2007	719.76	38.34	18.53	701.23	--	--
		2/22/2007	719.76	38.34	18.31	701.45	--	--
		3/20/2007	719.76	38.34	19.65	700.11	--	--
		4/24/2007	719.76	38.34	19.73	700.03	--	--
		5/17/2007	719.76	38.34	20.19	699.57	--	--
		6/26/2007	719.76	38.34	21.82	697.94	--	--
		10/8/2007	719.76	37.42	22.84	696.92	--	--
		12/13/2007	719.76	37.58	22.54	697.22	--	--
		1/18/2008	719.76	NM	NM	NM	--	--
		5/19/2008	719.76	NM	NM	NM	--	--
		12/10/2008	719.76	NM	18.24	701.52	--	--
		4/7/2009	719.76	37.20	21.58	698.18	--	--
		9/25/2009	719.76	37.21	22.71	697.05	--	--
		11/2/2009	719.76	37.22	22.51	697.25	--	--
		2/22/2010	719.76	37.43	22.32	697.44	--	--
		4/30/2010	719.76	37.45	21.65	698.11	--	--
		10/14/2010	719.76	37.00	22.83	696.93	--	--
		12/6/2010	719.76	NM	22.90	696.86	--	--
	MW-0402-S2B	9/25/2009	719.61	37.93	18.33	701.28	--	--
		11/2/2009	719.61	37.82	19.62	699.99	--	--
		4/30/2010	719.61	37.90	18.10	701.51	--	--
		10/14/2010	719.61	NM	NM	NM	--	--
	MW-0402-S3	9/25/2009	719.61	50.26	25.85	693.76	--	--
		11/2/2009	719.61	50.14	24.14	695.47	--	--
		8/3/2010	719.61	50.20	23.35	696.26	--	--
		10/14/2010	719.61	49.73	24.38	695.23	--	--
	MW-0403-S2B	9/25/2009	719.13	36.22	22.25	696.88	--	--
		11/2/2009	719.13	36.17	22.00	697.13	--	--
		4/30/2010	719.13	36.85	21.00	698.13	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		10/14/2010	719.13	36.36	21.98	697.15	--	--
	MW-0404-S2B	9/25/2009	719.21	36.85	22.35	696.86	--	--
		11/2/2009	719.21	26.79	22.08	697.13	--	--
		4/30/2010	719.21	37.55	20.94	698.27	--	--
		10/14/2010	719.21	36.99	22.18	697.03	--	--
	MW-0406-S2B	9/25/2009	717.73	30.69	20.59	697.14	--	--
		11/2/2009	717.73	31.19	20.35	697.38	--	--
		4/30/2010	717.73	31.52	19.59	698.14	--	--
		10/14/2010	717.73	NM	20.62	697.11	--	--
	MW-0409-S2B	9/25/2009	718.59	34.85	21.65	696.94	--	--
		11/2/2009	718.59	34.81	21.13	697.46	--	--
		4/30/2010	718.59	35.35	20.47	698.12	--	--
		10/14/2010	718.59	NM	21.58	697.01	--	--
	MW-0409-S3	9/25/2009	718.58	55.20	25.32	693.26	--	--
		11/2/2009	718.58	54.56	24.15	694.43	--	--
		8/3/2010	718.58	54.64	23.06	695.52	--	--
		10/14/2010	718.58	54.64	23.59	694.99	--	--
	MW-0414-S2A/S2B	9/25/2009	719.67	39.23	18.98	700.69	--	--
		11/2/2009	719.67	39.08	18.66	701.01	--	--
		4/30/2010	719.67	39.20	18.01	701.66	--	--
		10/14/2010	719.67	38.90	18.38	701.29	--	--
	MW-0414-S3	9/25/2009	719.58	46.70	25.41	694.17	--	--
		11/2/2009	719.58	46.61	25.06	694.52	--	--
		8/3/2010	719.58	46.77	23.18	696.40	--	--
		10/14/2010	719.58	46.30	24.18	695.40	--	--
	MW-0416-S2A	9/25/2009	719.71	29.05	17.63	702.08	--	--
		11/2/2009	719.71	29.01	17.31	702.40	--	--
		4/30/2010	719.71	29.10	16.35	703.36	--	--
		10/14/2010	719.71	29.00	18.12	701.59	--	--
	MW-0417-S3	9/25/2009	719.47	50.65	25.15	694.32	--	--
		11/2/2009	719.47	50.53	25.98	693.49	--	--
		8/3/2010	719.47	51.10	24.08	695.39	--	--
		10/14/2010	719.47	50.71	24.62	694.85	--	--
	MW-0417-S4	9/25/2009	719.01	>101	24.20	694.81	--	--
		11/2/2009	719.01	100+	16.20	702.81	--	--
		4/30/2010	719.01	>103	19.49	699.52	--	--
	MW-0418-S2A	9/25/2009	718.66	27.22	18.25	700.41	--	--
		11/2/2009	718.66	27.16	17.76	700.90	--	--
		4/30/2010	718.66	27.50	17.21	701.45	--	--
		10/14/2010	718.66	27.40	17.34	701.32	--	--
	MW-0418-S3	9/25/2009	719.17	51.61	25.15	694.02	--	--
		11/2/2009	719.17	51.46	25.05	694.12	--	--
		8/3/2010	719.17	51.60	23.75	695.42	--	--
		10/14/2010	719.17	51.65	23.88	695.29	--	--
	MW-0419-S2B	9/25/2009	719.31	35.74	22.10	697.21	--	--
		11/2/2009	719.31	35.95	21.95	697.36	--	--
		4/30/2010	719.31	36.50	21.02	698.29	--	--
		10/14/2010	719.31	35.50	23.95	695.36	--	--
	MW-0419-S3	9/25/2009	719.14	52.92	25.39	693.75	--	--
		11/2/2009	719.14	52.90	24.26	694.88	--	--
		8/3/2010	720.69	54.55	24.95	695.74	--	--
		10/14/2010	720.69	50.45	25.90	694.79	--	--
	MW-0420-S2A	9/25/2009	718.60	24.87	21.46	697.14	--	--
		11/2/2009	718.60	24.78	21.23	697.37	--	--
		4/30/2010	718.60	25.00	20.35	698.25	--	--
		10/14/2010	718.60	25.35	22.20	696.40	--	--
	MW-0420-S3	9/25/2009	718.81	52.61	24.85	693.96	--	--
		11/2/2009	718.81	52.67	23.73	695.08	--	--
		8/3/2010	719.10	53.31	23.45	695.65	--	--
		10/14/2010	719.10	45.50	24.34	694.76	--	--
	MW-0421-S2	9/25/2009	718.03	36.29	20.95	697.08	--	--
		11/2/2009	718.03	36.37	20.76	697.27	--	--
		4/30/2010	718.03	36.30	19.84	698.19	--	--
		10/14/2010	718.03	35.97	21.22	696.81	--	--
	MW-0421-S3	9/25/2009	718.00	54.50	23.30	694.70	--	--
		11/2/2009	718.00	54.31	23.61	694.39	--	--
		8/3/2010	718.00	44.46	22.16	695.84	--	--
		10/14/2010	718.00	54.25	22.94	695.06	--	--
	MW-0423-S2A	9/25/2009	719.67	23.30	17.58	702.09	--	--
		11/2/2009	719.67	23.30	17.18	702.49	--	--
		4/30/2010	719.67	23.40	16.28	703.39	--	--
		10/14/2010	719.67	20.67	17.99	701.68	--	--
	MW-0424-S2A	9/25/2009	719.71	29.44	18.66	701.05	--	--
		11/2/2009	719.71	29.45	18.27	701.44	--	--
		4/30/2010	719.71	29.65	17.80	701.91	--	--
		10/14/2010	719.71	29.49	18.24	701.47	--	--
	MW-0425-S2A	9/25/2009	719.79	29.21	18.95	700.84	--	--
		11/2/2009	719.79	29.21	18.61	701.18	--	--
		4/30/2010	719.79	29.30	18.00	701.79	--	--
		10/14/2010	719.79	29.21	18.42	701.37	--	--
	MW-0426-S2B	9/25/2009	719.27	36.35	22.05	697.22	--	--
		11/2/2009	719.27	36.22	21.99	697.28	--	--
		4/30/2010	719.27	36.85	21.15	698.12	--	--
		10/14/2010	719.27	36.26	22.25	697.02	--	--
	MW-0427-S2B	9/25/2009	718.47	35.85	21.80	696.67	--	--
		11/2/2009	718.47	35.80	20.99	697.48	--	--
		4/30/2010	718.47	36.50	20.42	698.05	--	--
		10/14/2010	718.47	NM	21.46	697.01	--	--
	MW-0817-S2B	9/25/2009	717.36	34.50	20.57	696.79	--	--
		11/2/2009	717.36	34.52	20.06	697.30	--	--
		4/30/2010	717.36	34.70	19.36	698.00	--	--
		10/14/2010	717.36	35.66	20.49	696.87	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0817-S3	9/25/2009	717.30	48.60	23.05	694.25	--	--
		11/2/2009	717.30	48.58	22.14	695.16	--	--
		8/3/2010	717.30	48.77	21.25	696.05	--	--
		10/14/2010	717.30	48.77	21.96	695.34	--	--
	MW-0818-S3	9/25/2009	718.16	53.49	23.60	694.56	--	--
		11/2/2009	718.16	53.29	23.70	694.46	--	--
		8/3/2010	718.16	53.50	22.05	696.11	--	--
		10/14/2010	718.16	53.44	22.91	695.25	--	--
	MW-0819-S2B	9/25/2009	719.33	37.80	22.19	697.14	--	--
		11/2/2009	719.33	37.68	22.00	697.33	--	--
		4/30/2010	719.33	37.90	21.13	698.20	--	--
		10/14/2010	719.33	22.53	37.95	681.38	--	--
	MW-0903-S3	9/25/2009	719.73	52.95	23.72	696.01	--	--
		11/2/2009	719.73	52.98	23.67	696.06	--	--
		8/3/2010	719.73	53.02	22.25	697.48	--	--
		10/14/2010	719.73	52.95	23.50	696.23	--	--
	MW-0904-S2B	9/25/2009	718.57	34.40	21.85	696.72	--	--
		11/2/2009	718.57	34.29	21.14	697.43	--	--
		4/30/2010	718.57	34.91	20.52	698.05	--	--
		10/14/2010	718.57	34.50	21.60	696.97	--	--
	MW-0904-S3	9/25/2009	718.50	49.15	24.10	694.40	--	--
		11/2/2009	718.50	48.98	22.88	695.62	--	--
		8/3/2010	718.50	49.15	22.55	695.95	--	--
		10/14/2010	718.50	49.16	23.08	695.42	--	--
	MW-S2-0601	10/27/2006	NM	NM	NM	NM	--	--
		10/8/2007	NM	NM	NM	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	21.61	NM	21.31	0.30
		2/10/2009	718.16	26.85	20.88	697.30	20.86	5.99
		3/27/2009	718.16	27.12	20.63	697.53	--	--
		4/7/2009	718.16	27.05	20.15	698.01	--	--
		9/25/2009	718.16	27.05	21.29	696.87	21.05	0.24
		11/2/2009	718.16	27.03	20.94	697.22	20.94	--
		12/18/2009	718.16	NM	22.99	695.17	22.87	0.12
		2/22/2010	718.16	27.00	20.94	697.22	--	--
		3/23/2010	718.16	NM	20.47	697.69	--	--
		4/30/2010	718.16	27.00	20.10	698.06	--	--
		5/24/2010	718.16	NM	20.10	698.06	--	--
		8/23/2010	718.16	NM	20.41	697.75	20.39	--
		10/14/2010	718.16	NM	21.67	696.60	21.54	0.13
		11/18/2010	718.16	NM	22.02	696.21	21.93	0.09
		12/6/2010	718.16	NM	21.55	696.61	--	--
	MW-S2A-0501	9/25/2009	717.64	20.29	20.15	697.49	--	--
		11/2/2009	717.64	20.23	20.05	697.59	--	--
		4/30/2010	717.64	35.15	19.58	698.06	--	--
		10/14/2010	717.64	NM	20.23	697.41	--	--
	MW-S2B-0501	9/25/2009	717.57	35.08	20.90	696.67	--	--
		11/2/2009	717.57	34.97	22.29	695.28	--	--
		4/30/2010	717.57	20.43	18.28	699.29	--	--
		10/14/2010	717.57	NM	20.75	696.82	--	--
	MW-S3-0501	9/25/2009	717.41	53.11	23.39	694.02	--	--
		11/2/2009	717.41	53.08	23.62	693.79	--	--
		8/3/2010	717.41	53.05	22.61	694.80	--	--
		10/14/2010	717.41	NM	23.13	694.28	--	--
	MW-S3-0601	9/25/2009	718.16	52.50	24.78	693.38	--	--
		11/2/2009	718.16	52.31	23.55	694.61	--	--
		8/3/2010	718.16	52.50	22.80	695.36	--	--
		10/14/2010	718.16	NM	23.45	694.71	--	--
	RW-0201-S2A	9/25/2009	718.88	27.00	Dry	Dry	--	--
		11/2/2009	718.88	NM	27.04	691.84	--	--
		4/30/2010	718.88	NM	Dry	Dry	--	--
		10/14/2010	718.88	NM	25.11	693.77	--	--
	RW-0202-S2A	9/25/2009	719.07	26.49	Dry	Dry	--	--
		11/2/2009	719.07	NM	26.06	693.01	--	--
		4/30/2010	719.07	NM	17.34	701.73	--	--
		10/14/2010	719.07	NM	17.79	701.28	--	--
	RW-0203-S2A	9/25/2009	718.98	26.20	20.38	698.60	--	--
		11/2/2009	718.98	NM	18.96	700.02	--	--
		4/30/2010	718.98	NM	17.55	701.43	--	--
		10/14/2010	718.98	NM	17.71	701.27	--	--
	RW-0204-S2A	9/25/2009	719.26	26.43	19.22	700.04	--	--
		11/2/2009	719.26	NM	18.20	701.06	--	--
		4/30/2010	719.26	NM	17.82	701.44	--	--
		10/14/2010	719.26	NM	17.88	701.38	--	--
	RW-0205-S2A	9/25/2009	NM	28.00	18.90	NA	--	--
		11/2/2009	NM	NM	17.71	NA	--	--
		4/30/2010	NM	31.07	17.61	NM	--	--
		10/14/2010	718.97	NM	17.32	701.65	--	--
	RW-0501-S2B	9/25/2009	716.71	NM	19.52	697.19	--	--
		11/2/2009	716.71	36.75	19.55	697.16	--	--
		4/30/2010	716.71	NM	19.90	696.81	--	--
		10/14/2010	716.71	NM	19.78	696.93	--	--
	RW-0501-S3	9/25/2009	716.77	NM	22.10	694.67	--	--
		11/2/2009	716.77	49.36	23.97	692.80	--	--
		8/3/2010	716.77	N/A	21.64	695.13	--	--
		10/14/2010	716.77	NM	21.71	695.06	--	--
	RW-0502-S2B	9/25/2009	718.56	NM	20.90	697.66	--	--
		11/2/2009	718.56	35.90	23.65	694.91	--	--
		4/30/2010	718.56	NM	21.35	697.21	--	--
		10/14/2010	718.56	30.42	21.02	697.54	--	--
	RW-0602-S2A/S2B	9/25/2009	717.02	NM	20.42	696.60	--	--
		11/2/2009	717.02	33.05	20.34	696.68	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/30/2010	717.02	NM	18.80	698.22	--	--
		10/14/2010	717.02	NM	20.06	696.96	--	--
	RW-0602-S3	9/25/2009	717.09	NM	24.79	692.30	--	--
		11/2/2009	717.09	43.27	24.76	692.33	--	--
		8/3/2010	717.09	N/A	21.91	695.18	--	--
		10/14/2010	717.09	NM	22.03	695.06	--	--
	RW-0603-S3	9/25/2009	718.29	NM	25.30	693.00	25.29	0.01
		11/2/2009	718.29	54.28	23.90	694.39	--	--
		8/3/2010	718.29	N/A	22.96	695.33	--	--
		10/14/2010	718.29	59.45	23.45	694.84	--	--
	RW-0604-S2B	9/25/2009	716.65	NM	20.00	696.65	--	--
		11/2/2009	716.65	31.35	21.75	694.90	--	--
		4/30/2010	716.65	NM	19.42	697.23	--	--
		10/14/2010	716.65	NM	19.51	697.14	--	--
	RW-0604-S3	9/25/2009	716.90	NM	24.98	691.92	--	--
		11/2/2009	716.90	49.08	24.62	692.28	--	--
		8/3/2010	716.90	N/A	22.31	694.59	--	--
		10/14/2010	716.90	NM	21.44	695.46	--	--
	RW-0605-S3	9/25/2009	719.07	43.50	27.12	691.95	--	--
		11/2/2009	719.07	NM	27.01	692.06	--	--
		8/3/2010	719.07	N/A	26.41	692.66	--	--
		10/14/2010	719.07	NM	23.67	695.40	--	--
AOI 53	MW-0203-S2A	2/10/2009	719.63	NM	NM	NM	--	--
		3/27/2009	719.63	NM	NM	NM	--	--
		4/7/2009	719.63	35.60	21.15	698.48	--	--
		9/25/2009	719.63	35.71	22.38	697.25	--	--
		11/2/2009	719.63	35.71	22.20	697.43	--	--
		2/22/2010	719.63	37.83	22.09	697.54	--	--
		4/30/2010	719.63	35.80	21.34	698.29	--	--
		8/23/2010	719.63	NM	21.61	698.02	--	--
		10/14/2010	719.63	35.75	22.63	697.00	--	--
		12/6/2010	719.63	36.00	22.69	696.94	--	--
	MW-0205-S2A	2/10/2009	719.63	25.50	18.23	701.61	17.98	0.25
		3/27/2009	719.63	25.68	18.54	701.29	18.30	0.24
		4/7/2009	719.63	25.62	17.08	702.59	17.03	0.05
		9/25/2009	719.63	25.60	20.32	699.31	18.58	1.74
		11/2/2009	719.63	NM	19.82	701.22	18.11	1.71
		12/18/2009	719.63	NM	18.56	701.07	17.46	1.10
		2/22/2010	719.63	NM	19.40	701.62	17.72	1.68
		3/23/2010	719.63	NM	19.66	701.48	17.83	1.83
		4/30/2010	719.63	NM	18.75	701.59	17.89	0.86
		5/24/2010	719.63	NM	19.63	701.65	17.63	2.00
		8/23/2010	719.63	NM	18.04	701.59	--	--
		10/14/2010	719.63	NM	20.05	701.09	18.22	1.83
		11/18/2010	719.63	NM	20.02	701.18	18.12	1.90
		12/6/2010	719.63	NM	18.94	701.51	17.95	0.99
	MW-0206-S2A	2/10/2009	719.68	NM	NM	NM	--	--
		3/27/2009	719.68	NM	NM	NM	--	--
		4/7/2009	719.68	37.84	21.37	698.31	--	--
		9/25/2009	719.68	37.95	22.51	697.17	--	--
		11/2/2009	719.68	38.00	22.33	697.35	--	--
		2/22/2010	719.68	38.05	22.22	697.46	--	--
		4/30/2010	719.68	38.30	21.55	698.13	--	--
		8/23/2010	719.68	37.81	21.79	697.89	--	--
		10/14/2010	719.68	38.00	22.76	696.92	--	--
		12/6/2010	719.68	NM	22.80	696.88	--	--
	MW-0207-S2B	2/10/2009	719.66	NM	NM	NM	--	--
		3/27/2009	719.66	NM	NM	NM	--	--
		4/7/2009	719.66	33.37	21.21	698.45	--	--
		9/25/2009	719.66	33.43	22.55	697.11	--	--
		11/2/2009	719.66	33.41	22.33	697.33	--	--
		2/22/2010	719.66	33.50	22.12	697.54	--	--
		4/30/2010	719.66	33.60	21.34	698.32	--	--
		8/23/2010	719.66	33.55	21.67	697.99	--	--
		10/14/2010	719.66	33.45	22.67	696.99	--	--
		12/6/2010	719.66	NM	22.40	697.26	--	--
	MW-0208-S2A	2/10/2009	719.59	NM	NM	NM	--	--
		3/27/2009	719.59	NM	NM	NM	--	--
		4/7/2009	719.59	35.14	21.23	698.36	--	--
		9/25/2009	719.59	35.18	22.47	697.12	--	--
		11/2/2009	719.59	35.20	22.24	697.35	--	--
		2/22/2010	719.59	35.28	22.15	697.44	--	--
		4/30/2010	719.59	35.30	21.45	698.14	--	--
		8/23/2010	719.59	35.40	21.64	697.95	--	--
		10/14/2010	719.59	35.18	22.65	696.94	--	--
		12/6/2010	719.59	NM	22.68	696.91	--	--
AOI 54	MW-7-S2	9/25/2009	715.29	19.68	14.22	701.07	--	--
		11/2/2009	715.29	19.71	14.04	701.25	--	--
		10/14/2010	715.29	19.65	14.17	701.12	--	--
AOI 57	MW-0639-S2A	9/25/2009	716.12	22.25	15.82	700.30	--	--
		11/2/2009	716.12	22.25	15.36	700.76	--	--
		10/14/2010	716.12	NM	NM	NM	--	--
AOI 64	MW-1001-S2B	4/30/2010	717.64	34.10	19.40	698.24	--	--
		10/14/2010	717.64	34.10	20.68	696.96	--	--
	MW-1001-S3	8/3/2010	717.86	40.04	20.30	697.56	--	--
		10/14/2010	717.86	49.05	21.53	696.33	--	--
	MW-1002-S2B	4/30/2010	717.35	36.70	18.73	698.62	--	--
		10/14/2010	717.35	36.65	20.13	697.22	--	--
	MW-1002-S3	8/3/2010	717.66	52.22	19.84	697.82	--	--
		10/14/2010	717.66	52.29	21.11	696.55	--	--
	MW-1002-S4	4/30/2010	716.32	67.57	23.52	-23.52	--	
	MW-1003-S3	10/14/2010	719.76	55.82	24.91	694.85	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	SB-64-1001	10/14/2010	713.80	NM	16.44	697.36	--	--
	SB-64-1006	10/14/2010	717.37	NM	20.86	696.51	--	--
Perimeter	MW-0701-S2	9/25/2009	726.37	NM	NM	NM	NM	NM
		11/2/2009	726.37	NM	NM	NM	NM	NM
		10/14/2010	726.37	24.45	17.37	709.00	--	--
	MW-0704-S2	9/25/2009	725.67	NM	NM	NM	NM	NM
		11/2/2009	725.67	NM	NM	NM	NM	NM
		10/14/2010	725.67	23.71	15.47	710.20	--	--
	MW-0705-S2	9/25/2009	726.33	NM	NM	NM	NM	NM
		11/2/2009	726.33	NM	NM	NM	NM	NM
		4/30/2010	726.33	18.90	16.06	710.27	--	--
		10/14/2010	726.33	18.72	16.90	709.43	--	--
	MW-0802-S2	9/25/2009	725.40	NM	NM	NM	NM	NM
		11/2/2009	725.40	NM	NM	NM	NM	NM
		10/14/2010	725.40	21.00	15.15	710.25	--	--
	MW-0810-S2	9/25/2009	725.86	NM	NM	NM	NM	NM
		11/2/2009	725.86	NM	NM	NM	NM	NM
		10/14/2010	725.86	NM	NM	NM	--	--
	MW-0811-S2	9/25/2009	725.09	NM	NM	NM	NM	NM
		11/2/2009	725.09	NM	NM	NM	NM	NM
		4/30/2010	725.09	27.86	15.24	709.85	--	--
		10/14/2010	725.09	27.60	16.08	709.01	--	--
	MW2-4-S2	9/25/2009	725.05	NM	NM	NM	NM	NM
		11/2/2009	725.05	NM	NM	NM	NM	NM
		4/30/2010	725.05	23.72	13.61	711.44	--	--
		10/14/2010	725.05	23.49	15.75	709.30	--	--
	PZ-0801-S2	9/25/2009	724.78	NM	NM	NM	NM	NM
		11/2/2009	724.78	NM	NM	NM	NM	NM
		4/30/2010	724.78	22.24	14.35	710.43	--	--
		10/14/2010	724.78	20.90	15.53	709.25	--	--
AOI 02	MW-0408-S2	9/25/2009	719.80	NM	NM	NM	NM	NM
		11/2/2009	719.80	NM	NM	NM	--	--
		4/30/2010	719.80	24.14	17.55	702.25	--	--
		10/14/2010	719.80	21.95	18.00	701.80	--	--
	MW-0601-S2A	9/25/2009	723.30	NM	NM	NM	NM	NM
		11/2/2009	723.30	NM	NM	NM	NM	NM
		10/14/2010	723.30	NM	17.05	706.26	17.04	0.01
	MW-0601-S2B	9/25/2009	723.75	NM	NM	NM	NM	NM
		11/2/2009	723.75	NM	NM	NM	NM	NM
		10/14/2010	723.75	46.15	18.05	705.70	--	--
AOI 51	MW-24-S2A	5/17/2001	718.68	24.68	21.45	697.23	--	--
		3/15/2002	718.68	NM	19.98	698.70	--	Sheen
		5/24/2002	718.68	NM	16.54	702.14	--	--
		8/15/2002	718.68	NM	20.55	698.13	--	--
		5/22/2003	718.68	NM	18.88	699.80	--	--
		11/19/2003	718.68	NM	20.30	698.38	--	Sheen
		5/17/2004	718.68	NM	20.38	698.30	--	Sheen
		11/11/2004	718.68	24.51	20.87	697.81	--	Sheen
		3/21/2005	718.68	24.51	19.94	698.74	--	Sheen
		6/28/2005	718.68	22.35	20.89	697.79	--	--
		1/10/2006	718.68	24.44	20.63	698.05	--	--
		4/10/2006	718.68	24.32	19.27	699.41	--	--
		2/2/2007	718.68	25.21	17.41	701.27	--	--
		10/8/2007	718.68	24.63	22.04	696.64	21.98	0.06
		1/18/2008	718.68	NM	NM	NM	--	0.13
		5/19/2008	718.68	NM	20.68	698.00	20.55	--
		12/10/2008	718.68	NM	21.80	696.88	--	--
		2/10/2009	718.68	24.45	21.31	697.37	--	--
		3/27/2009	718.68	24.39	20.95	697.73	--	--
		4/7/2009	718.68	24.55	20.55	698.13	--	--
		9/25/2009	718.68	24.35	21.55	697.13	--	--
		11/2/2009	718.68	24.54	21.34	697.34	--	--
		12/18/2009	718.68	NM	21.76	696.92	21.76	--
		3/23/2010	718.68	NM	20.88	697.80	--	--
		4/30/2010	718.68	NM	20.35	698.33	--	--
		8/23/2010	718.68	26.75	22.72	695.96	--	--
		10/14/2010	718.68	NM	22.21	696.47	--	--
		11/18/2010	718.68	NM	24.36	694.34	24.34	0.02
		12/6/2010	718.68	NM	24.04	694.75	23.91	0.13
AOI 53	MW-0203-S2A	3/20/2002	719.59	NM	20.70	698.89	--	--
		5/28/2002	719.59	NM	19.93	699.66	--	--
		8/13/2002	719.59	NM	21.37	698.22	--	--
		11/19/2002	719.59	NM	21.86	697.73	--	--
		5/22/2003	719.59	NM	19.80	699.79	--	--
		11/19/2003	719.59	NM	21.06	698.53	--	Globules
		5/18/2004	719.59	36.06	21.24	698.35	--	Globules
		6/24/2004	719.59	NM	20.26	699.33	--	Globules
		8/31/2004	719.59	NM	23.19	696.40	--	Globules
		9/30/2004	719.59	NM	20.66	698.93	--	Globules
		10/28/2004	719.59	NM	20.03	699.56	--	Globules
		11/19/2004	719.59	36.03	20.85	698.74	--	Globules
		12/7/2004	719.59	NM	21.12	698.47	--	Globules
		1/31/2005	719.59	36.03	20.46	699.13	--	Globules
		2/24/2005	719.59	36.03	19.83	699.76	--	--
		3/29/2005	719.59	36.03	20.67	698.92	--	--
		4/28/2005	719.59	36.03	19.54	700.05	--	--
		5/31/2005	719.59	36.03	20.31	699.28	--	--
		6/29/2005	719.59	36.03	20.64	698.95	--	Globules
		7/29/2005	719.59	35.88	21.63	697.96	--	--
		8/31/2005	719.59	35.88	21.88	697.71	--	--
		9/30/2005	719.59	35.90	20.83	698.76	--	--
		10/31/2005	719.59	35.90	20.77	698.82	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/29/2005	719.59	35.90	20.03	699.56	--	--
		12/22/2005	719.59	35.90	21.54	698.05	--	--
		1/31/2006	719.59	36.03	20.92	698.67	--	--
		2/28/2006	719.59	36.03	21.01	698.58	--	--
		3/30/2006	719.59	35.90	20.01	699.58	--	--
		4/10/2006	719.59	35.90	20.09	699.50	--	--
		4/28/2006	719.59	35.90	19.91	699.68	--	--
		5/30/2006	719.59	35.90	20.12	699.47	--	--
		6/26/2006	719.59	35.90	20.24	699.35	--	--
		8/16/2006	719.59	NA	NA	NA	NA	NA
		8/29/2006	719.59	35.94	21.71	697.88	--	--
		9/26/2006	719.59	35.94	21.65	697.94	--	--
		10/18/2006	719.59	35.94	21.63	697.96	--	--
		11/23/2006	719.59	35.94	20.80	698.79	--	Sheen
		12/18/2006	719.59	35.94	20.45	699.14	--	--
		1/16/2007	719.59	35.94	18.59	701.00	--	--
		2/2/2007	719.59	35.74	18.37	701.22	--	--
		2/22/2007	719.59	35.74	18.13	701.46	--	--
		3/20/2007	719.59	35.74	18.53	701.06	--	--
		4/24/2007	719.59	35.74	18.78	700.81	--	--
		5/17/2007	719.59	35.74	20.01	699.58	--	--
		6/26/2007	719.59	35.74	22.34	697.25	--	--
		10/8/2007	719.59	35.80	22.61	696.98	--	--
		12/13/2007	719.59	35.82	22.23	697.36	--	--
		1/18/2008	719.59	NM	NM	NM	--	--
		5/19/2008	719.59	NM	22.31	697.28	--	--
		12/10/2008	719.59	NM	22.54	697.05	--	--
	MW-0205-S2A	5/23/2002	719.63	NM	16.84	702.79	--	--
		8/13/2002	719.63	NM	17.93	701.70	--	--
		11/19/2002	719.63	NM	17.68	701.95	--	--
		5/22/2003	719.63	NM	17.22	702.41	--	--
		11/19/2003	719.63	NM	NM	NM	NM	NM
		5/18/2004	719.63	NM	17.86	701.77	--	--
		6/24/2004	719.63	NM	17.51	702.12	17.50	0.01
		8/31/2004	719.63	NM	16.80	702.83	16.78	0.02
		9/30/2004	719.63	NM	17.69	701.94	17.61	0.08
		10/28/2004	719.63	NM	17.28	702.35	17.18	0.10
		11/19/2004	719.63	25.85	17.88	701.75	17.82	0.06
		12/7/2004	719.63	NM	18.15	701.48	18.03	0.12
		1/31/2005	719.63	25.85	17.47	702.16	17.43	0.04
		2/24/2005	719.63	25.85	17.08	702.55	17.03	0.05
		3/29/2005	719.63	25.85	17.79	701.84	17.77	0.02
		4/28/2005	719.63	25.85	16.79	702.84	16.77	0.02
		5/31/2005	719.63	25.85	17.28	702.35	17.23	0.05
		6/29/2005	719.63	25.85	17.35	702.28	17.31	0.04
		7/29/2005	719.63	25.75	17.55	702.08	--	--
		8/31/2005	719.63	25.75	17.80	701.83	17.78	0.02
		9/30/2005	719.63	25.80	17.86	701.77	17.83	0.03
		10/31/2005	719.63	25.80	18.00	701.63	--	--
		11/29/2005	719.63	25.80	17.27	702.36	--	--
		12/22/2005	719.63	25.80	18.56	701.07	--	--
		1/31/2006	719.63	25.85	17.36	702.27	--	--
		2/28/2006	719.63	25.85	17.44	702.19	--	--
		3/30/2006	719.63	25.80	17.07	702.56	--	--
		4/10/2006	719.63	25.80	17.15	702.48	--	--
		4/28/2006	719.63	25.80	16.97	702.66	--	--
		5/30/2006	719.63	25.80	17.27	702.36	--	--
		6/26/2006	719.63	25.80	17.30	702.33	--	--
		8/16/2006	719.63	NA	NA	NA	NA	NA
		8/29/2006	719.63	25.78	18.00	701.63	17.80	0.20
		9/26/2006	719.63	25.78	17.87	701.76	17.78	0.09
		10/18/2006	719.63	25.78	17.54	702.09	--	--
		11/23/2006	719.63	25.78	17.42	702.21	--	Sheen
		12/18/2006	719.63	25.78	17.53	702.10	--	--
		1/16/2007	719.63	25.78	16.00	703.63	--	--
		2/2/2007	719.63	25.59	17.08	702.55	--	--
		2/22/2007	719.63	25.59	15.74	703.89	--	--
		3/20/2007	719.63	25.59	16.84	702.79	--	--
		4/24/2007	719.63	25.59	16.79	702.84	--	--
		5/17/2007	719.63	25.59	17.08	702.55	--	--
		6/26/2007	719.63	25.59	19.80	699.83	--	--
		10/8/2007	719.63	25.80	18.37	701.26	18.30	0.07
		12/13/2007	719.63	25.60	17.49	702.14	17.42	0.07
		1/18/2008	719.63	NM	NM	NM	--	0.05
		5/19/2008	719.63	NM	22.31	697.32	--	--
		12/10/2008	719.63	NM	18.04	701.59	--	--
	MW-0206-S2A	5/23/2002	719.68	NM	17.54	702.14	--	--
		8/13/2002	719.68	NM	21.43	698.25	--	--
		11/19/2002	719.68	NM	22.03	697.65	--	--
		5/22/2003	719.68	NM	19.87	699.81	--	--
		11/19/2003	719.68	NM	21.20	698.48	--	--
		5/18/2004	719.68	38.25	21.33	698.35	--	--
		6/24/2004	719.68	NM	20.40	699.28	--	--
		8/31/2004	719.68	NM	23.05	696.63	--	--
		9/30/2004	719.68	NM	20.75	698.93	--	--
		10/28/2004	719.68	NM	20.17	699.51	--	--
		11/19/2004	719.68	38.25	20.94	698.74	--	--
		12/7/2004	719.68	NM	21.21	698.47	--	--
		1/31/2005	719.68	38.25	20.53	699.15	--	--
		2/24/2005	719.68	38.25	19.97	699.71	--	--
		3/29/2005	719.68	38.25	20.69	698.99	--	--
		4/28/2005	719.68	38.25	19.68	700.00	--	--

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Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/31/2005	719.68	38.25	20.47	699.21	--	--
		6/29/2005	719.68	38.25	20.89	698.79	--	--
		7/29/2005	719.68	38.76	21.69	697.99	--	--
		8/31/2005	719.68	38.76	21.94	697.74	--	--
		9/30/2005	719.68	37.93	20.92	698.76	--	--
		10/31/2005	719.68	37.93	20.91	698.77	--	--
		11/29/2005	719.68	37.93	20.18	699.50	--	--
		12/22/2005	719.68	37.93	21.64	698.04	--	--
		1/31/2006	719.68	38.25	20.94	698.74	--	--
		2/28/2006	719.68	38.25	21.03	698.65	--	--
		3/30/2006	719.68	37.93	20.03	699.65	--	--
		4/10/2006	719.68	37.93	20.11	699.57	--	--
		4/28/2006	719.68	37.93	19.93	699.75	--	--
		5/30/2006	719.68	37.93	20.24	699.44	--	--
		6/26/2006	719.68	37.93	20.26	699.42	--	--
		8/16/2006	719.68	NA	NA	NA	NA	NA
		8/29/2006	719.68	NA	NA	NA	NA	NA
		9/26/2006	719.68	37.86	21.73	697.95	--	--
		10/18/2006	719.68	37.86	21.77	697.91	--	--
		11/23/2006	719.68	37.86	20.95	698.73	--	--
		12/18/2006	719.68	37.86	20.57	699.11	--	--
		1/16/2007	719.68	37.86	18.71	700.97	--	--
		2/2/2007	719.68	38.00	18.48	701.20	--	--
		2/22/2007	719.68	38.00	18.41	701.27	--	--
		3/20/2007	719.68	38.00	19.86	699.82	--	--
		4/24/2007	719.68	38.00	19.64	700.04	--	--
		5/17/2007	719.68	38.00	20.01	699.67	--	--
		6/26/2007	719.68	38.00	21.69	697.99	--	--
		10/8/2007	719.68	37.92	22.29	697.39	--	--
		12/13/2007	719.68	38.02	22.39	697.29	--	--
		1/18/2008	719.68	NM	NM	NM	--	--
		5/19/2008	719.68	NM	22.31	697.37	--	--
		12/10/2008	719.68	NM	22.65	697.03	--	--
	MW-0207-S2B	5/23/2002	719.66	NM	17.50	702.16	--	--
		8/13/2002	719.66	NM	21.32	698.34	--	--
		11/19/2002	719.66	NM	21.94	697.72	--	--
		5/22/2003	719.66	NM	19.82	699.84	--	--
		11/19/2003	719.66	NM	21.09	698.57	--	--
		5/18/2004	719.66	33.50	21.25	698.41	--	--
		6/24/2004	719.66	NM	20.31	699.35	--	--
		8/31/2004	719.66	NM	22.96	696.70	--	--
		9/30/2004	719.66	NM	20.67	698.99	--	--
		10/28/2004	719.66	NM	20.08	699.58	--	--
		11/19/2004	719.66	33.50	20.86	698.80	--	--
		12/7/2004	719.66	NM	21.13	698.53	--	--
		1/31/2005	719.66	33.50	20.45	699.21	--	--
		2/24/2005	719.66	33.50	19.88	699.78	--	--
		3/29/2005	719.66	33.50	20.61	699.05	--	--
		4/28/2005	719.66	33.50	19.59	700.07	--	--
		5/31/2005	719.66	33.50	20.38	699.28	--	--
		6/29/2005	719.66	33.50	20.81	698.85	--	--
		7/29/2005	719.66	33.56	21.63	698.03	--	--
		8/31/2005	719.66	33.56	21.88	697.78	--	--
		9/30/2005	719.66	33.56	20.84	698.82	--	--
		10/31/2005	719.66	33.56	20.82	698.84	--	--
		11/29/2005	719.66	33.56	20.09	699.57	--	--
		12/22/2005	719.66	33.56	21.55	698.11	--	--
		1/31/2006	719.66	33.50	20.97	698.69	--	--
		2/28/2006	719.66	33.50	21.07	698.59	--	--
		3/30/2006	719.66	37.93	20.03	699.63	--	--
		4/10/2006	719.66	33.56	20.14	699.52	--	--
		4/28/2006	719.66	33.56	19.96	699.70	--	--
		5/30/2006	719.66	33.56	20.27	699.39	--	--
		6/26/2006	719.66	33.56	20.29	699.37	--	--
		8/16/2006	719.66	NA	NA	NA	NA	NA
		8/29/2006	719.66	33.33	21.71	697.95	--	--
		9/26/2006	719.66	33.33	21.67	697.99	--	--
		10/18/2006	719.66	33.33	21.69	697.97	--	--
		11/23/2006	719.66	33.33	20.86	698.80	--	--
		12/18/2006	719.66	33.33	20.49	699.17	--	--
		1/16/2007	719.66	33.33	18.65	701.01	--	--
		2/2/2007	719.66	33.34	18.47	701.19	--	--
		2/22/2007	719.66	33.34	18.33	701.33	--	--
		3/20/2007	719.66	33.34	18.78	700.88	--	--
		4/24/2007	719.66	33.34	18.84	700.82	--	--
		5/17/2007	719.66	33.34	20.04	699.62	--	--
		6/26/2007	719.66	33.34	21.55	698.11	--	--
		10/8/2007	719.66	33.54	22.69	696.97	--	--
		12/13/2007	719.66	33.57	22.47	697.19	--	--
		1/18/2008	719.66	NM	NM	NM	--	--
		5/19/2008	719.66	NM	22.31	697.35	--	--
		12/10/2008	719.66	NM	22.62	697.04	--	--
	MW-0208-S2A	5/23/2002	719.59	NM	17.56	702.03	--	--
		8/13/2002	719.59	NM	21.35	698.24	--	--
		11/19/2002	719.59	NM	21.91	697.68	--	--
		5/22/2003	719.59	NM	19.78	699.81	--	--
		11/19/2003	719.59	NM	21.10	698.49	--	--
		5/18/2004	719.59	35.18	21.23	698.36	--	--
		6/24/2004	719.59	NM	20.29	699.30	--	--
		8/31/2004	719.59	NM	22.97	696.62	--	--
		9/30/2004	719.59	NM	20.65	698.94	--	--
		10/28/2004	719.59	NM	20.11	699.48	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Area	Well	Date	Top-of-Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/19/2004	719.59	35.18	20.84	698.75	--	--
		12/7/2004	719.59	NM	21.11	698.48	--	--
		1/31/2005	719.59	35.18	20.44	699.15	--	--
		2/24/2005	719.59	35.18	19.91	699.68	--	--
		3/29/2005	719.59	35.18	20.58	699.01	--	--
		4/28/2005	719.59	35.18	19.62	699.97	--	--
		5/31/2005	719.59	35.18	20.41	699.18	--	--
		6/29/2005	719.59	35.18	20.89	698.70	--	--
		7/29/2005	719.59	35.29	21.56	698.03	--	--
		8/31/2005	719.59	35.29	21.81	697.78	--	--
		9/30/2005	719.59	35.23	20.82	698.77	--	--
		10/31/2005	719.59	35.23	20.78	698.81	--	--
		11/29/2005	719.59	35.23	20.07	699.52	--	--
		12/22/2005	719.59	35.23	21.52	698.07	--	--
		1/31/2006	719.59	35.18	21.00	698.59	--	--
		2/28/2006	719.59	35.18	21.09	698.50	--	--
		3/30/2006	719.59	35.23	20.16	699.43	--	--
		4/10/2006	719.59	35.23	20.20	699.39	--	--
		4/28/2006	719.59	35.23	20.02	699.57	--	--
		5/30/2006	719.59	35.23	20.38	699.21	--	--
		6/26/2006	719.59	35.23	20.35	699.24	--	--
		8/16/2006	719.59	NA	NA	NA	NA	NA
		8/29/2006	719.59	35.08	21.68	697.91	--	--
		9/26/2006	719.59	35.08	21.65	697.94	--	--
		10/18/2006	719.59	35.08	21.64	697.95	--	--
		11/23/2006	719.59	35.08	20.84	698.75	--	--
		12/18/2006	719.59	35.08	20.48	699.11	--	--
		1/16/2007	719.59	35.08	19.61	699.98	--	--
		2/2/2007	719.59	35.11	18.38	701.21	--	--
		2/22/2007	719.59	35.11	19.12	700.47	--	--
		3/20/2007	719.59	35.11	20.34	699.25	--	--
		4/24/2007	719.59	35.11	19.88	699.71	--	--
		5/17/2007	719.59	35.11	20.12	699.47	--	--
		6/26/2007	719.59	35.11	22.61	696.98	--	--
		10/8/2007	719.59	35.27	22.66	696.93	--	--
		12/13/2007	719.59	35.33	22.40	697.19	--	--
		1/18/2008	719.59	NM	NM	719.59	--	--
		5/19/2008	719.59	NM	22.31	697.28	--	--
		12/10/2008	719.59	NM	22.63	696.96	--	--

NOTES:

1.) Total Well Depth and Depth to Water measurements recorded from Top of Casing.
2.) Elevations referenced to mean sea level
3.) LNAPL - non-aqueous phase liquid
4.) -- - No measurable LNAPL present in well
5.) NM - Parameter Not Measured.
6.) NA - Data not available
7.) <0.1 ft of LNAPL observed in bailer
8.) * - indicates well has been abandoned

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Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-0102-S2	5/17/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	
AOI_51	MW-0102-S2	11/2/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	
AOI_51	MW-0102-S2	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	5/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	10/28/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	4/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.024	< 0.005 U	< 0.005 U	**0.0436**	< 0.01 U
AOI_51	MW-0102-S2	7/19/2010	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0034 J	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	7/19/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	8/9/2010		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0102-S2	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0027**	< 0.01 U
AOI_51	MW-0202-S2A	3/15/2002		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	
AOI_51	MW-0202-S2A	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	5/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	5/24/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2A	11/18/2010		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.01
AOI_51	MW-0202-S2B	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.015	**0.011 J**	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	1/31/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.012	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U

Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-0202-S2B	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.011	< 0.005 U	< 0.005 U	**0.0034**	< 0.01 U
AOI_51	MW-0202-S2B	6/21/2007	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.01	< 0.005 U	< 0.005 U	**0.0034**	< 0.01 U
AOI_51	MW-0202-S2B	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0055	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0037 J	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	3/15/2002		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	
AOI_51	MW-0202-S3	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	5/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0104	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0092 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0102	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0202-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0403-S2B	2/26/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.039	**0.34**	**0.065**	< 0.002 U	< 0.01 U
AOI_51	MW-0403-S2B	5/18/2004		**0.047**	< 0.005 U	< 0.005 U	< 0.005 U	**0.085**	**5.9**	**0.65**	**0.018**	< 0.01 U
AOI_51	MW-0403-S2B	11/12/2004		**0.036**	< 0.005 U	< 0.005 U	< 0.005 U	0.048	**20**	< 0.005 U	**0.024**	< 0.01 U
AOI_51	MW-0403-S2B	6/28/2005		< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**30**	**0.7**	< 0.2 U	< 1 U
AOI_51	MW-0403-S2B	5/13/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.181 U	**48.8**	**1.66**	< 0.0368 U	< 0.1 U
AOI_51	MW-0403-S2B	5/20/2010	PDB	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**58.3 J**	**1.89**	< 0.2 U	< 1 U
AOI_51	MW-0403-S2B	5/20/2010	LF	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**49.6 J**	**1.87**	< 0.2 U	< 1 U
AOI_51	MW-0403-S2B	11/1/2010	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	**0.0545 J**	0.0029 J	< 0.002 U	< 0.01 U
AOI_51	MW-0403-S2B	11/1/2010		**0.0073**	< 0.005 U	< 0.005 U	< 0.005 U	**0.21 J**	**57.5 J**	**3.24 J**	**0.0042**	< 0.01 U
AOI_51	MW-0406-S2B	2/26/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	5/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0034**	< 0.01 U
AOI_51	MW-0406-S2B	11/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U

Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-0406-S2B	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	1/13/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	10/29/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	4/10/2009	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0073**	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0072**	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0074	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0406-S2B	11/1/2010		0.0027 J	< 0.005 U	< 0.005 U	< 0.005 U	0.0035 J	0.0026 J	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0409-S2B	5/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0409-S2B	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.012	**0.016**	< 0.005 U	**0.012**	< 0.01 U
AOI_51	MW-0409-S2B	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0057	**0.011**	< 0.005 U	**0.011**	< 0.01 U
AOI_51	MW-0409-S2B	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.016	0.003 J	< 0.005 U	**0.017**	< 0.01 U
AOI_51	MW-0409-S2B	5/14/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0558	< 0.005 U	< 0.005 U	**0.0144**	< 0.01 U
AOI_51	MW-0409-S2B	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0396	< 0.005 U	< 0.005 U	**0.0133**	< 0.01 U
AOI_51	MW-0409-S2B	10/29/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0978**	< 0.005 U	< 0.005 U	**0.0484**	< 0.01 U
AOI_51	MW-0409-S2B	10/29/2008		0.0053	< 0.005 U	< 0.005 U	< 0.005 U	**0.114**	< 0.005 U	< 0.005 U	**0.0564**	< 0.01 U
AOI_51	MW-0409-S2B	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0614	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0409-S2B	11/1/2010	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.068	< 0.005 U	0.002 J	0.0016 J	< 0.01 U
AOI_51	MW-0409-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0674	< 0.005 U	0.0018 J	0.0016 J	< 0.01 U
AOI_51	MW-0416-S2A	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	0.045	**0.025**	**0.0097**	**0.02**	< 0.01 U
AOI_51	MW-0416-S2A	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.15**	**0.011**	< 0.005 U	**0.04**	< 0.01 U
AOI_51	MW-0416-S2A	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0039 J	**0.0174**	0.004 J	**0.0055**	< 0.01 U
AOI_51	MW-0416-S2A	5/21/2010	PDB	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	**0.014**	< 0.01 U
AOI_51	MW-0416-S2A	5/21/2010	LF	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	**0.0024**	< 0.01 U
AOI_51	MW-0416-S2A	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0058**	< 0.01 U
AOI_51	MW-0417-S3	11/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0071	**27**	**0.12**	< 0.002 U	< 0.01 U
AOI_51	MW-0417-S3	1/31/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.049	**1.4**	**0.11**	< 0.002 U	< 0.01 U
AOI_51	MW-0417-S3	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.079**	**0.27**	**0.11**	< 0.002 U	< 0.01 U
AOI_51	MW-0417-S3	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.045	**0.12**	**0.081**	< 0.002 U	< 0.01 U
AOI_51	MW-0417-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.203 U	**0.636**	**0.632**	< 0.002 U	< 0.01 U
AOI_51	MW-0417-S3	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.119**	**0.51 J**	**0.48**	< 0.002 U	< 0.01 U
AOI_51	MW-0417-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.156**	**0.792**	**0.738**	**0.0031**	< 0.01 U

Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-0419-S2B	1/19/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	1/12/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	1/12/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	7/19/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	1/12/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	7/19/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0419-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	1/12/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0420-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	1/13/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	4/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S2	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U

Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010
(July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-0421-S2	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	1/12/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	4/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0421-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0426-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S2B	11/12/2008		< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S2B	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S3	11/12/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S3	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S3	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0817-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0818-S3	11/11/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0818-S3	11/11/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0818-S3	4/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0818-S3	8/5/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0818-S3	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0818-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0819-S2B	11/11/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.002 U	< 0.01 U

Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-0819-S2B	4/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0819-S2B	5/21/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0819-S2B	7/19/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0819-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.001 J	< 0.002 U	< 0.01 U
AOI_51	MW-0903-S3	8/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0903-S3	11/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0903-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S2B	8/6/2009	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S2B	8/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S2B	11/5/2009	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S2B	11/5/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S2B	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S2B	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S3	8/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S3	11/5/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-0904-S3	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S2B-0501	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0072	< 0.005 U	< 0.005 U	**0.0059**	< 0.01 U
AOI_51	MW-S2B-0501	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0106	< 0.005 U	< 0.005 U	**0.0089**	< 0.01 U
AOI_51	MW-S2B-0501	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0122	< 0.005 U	< 0.005 U	**0.0149**	< 0.01 U
AOI_51	MW-S2B-0501	8/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	0.0074	< 0.005 U	< 0.005 U	**0.006**	< 0.01 U
AOI_51	MW-S2B-0501	9/16/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0089	< 0.005 U	< 0.005 U	**0.0124**	< 0.01 U
AOI_51	MW-S2B-0501	10/29/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0154	< 0.005 U	< 0.005 U	**0.0293**	< 0.01 U
AOI_51	MW-S2B-0501	4/6/2009		0.0052	< 0.005 U	< 0.005 U	< 0.005 U	**0.0719**	< 0.005 U	< 0.005 U	**0.0339**	< 0.01 U
AOI_51	MW-S2B-0501	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S2B-0501	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0501	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0024 J	0.0032 J	0.0013 J	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0501	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0389**	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0501	5/14/2008		0.0059	< 0.005 U	< 0.005 U	< 0.005 U	0.003 J	**0.162**	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0501	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0025 J	**0.0781**	**0.0418**	**0.0034**	< 0.01 U
AOI_51	MW-S3-0501	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0171	**0.274 J**	**0.0562**	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0501	11/1/2010		0.0058	< 0.005 U	< 0.005 U	< 0.005 U	0.0593	**2.03**	**0.159**	**0.0028**	< 0.01 U

Table 2. Groundwater Analytical Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

AOI	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylenes (total) mg/L
AOI_51	MW-S3-0601	10/27/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	0.021 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0601	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0601	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0601	5/12/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0601	4/6/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0601	5/20/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	**0.0059**	< 0.002 U	< 0.01 U
AOI_51	MW-S3-0601	11/1/2010		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0042 J	< 0.002 U	< 0.01 U
Drinking Water Criteria (MCL or Region 9)				**0.007**		**0.005**		**0.07**	**0.005**	**0.005**	**0.002**	**10**

NOTES:

mg/L- milligram per liter
U- Not detected above laboratory reporting limits
J - Estimated value
R - Rejected value
UJ - Not detected above laboratory reporting limits, value is estimated
NA - Not analyzed
MCL - Maximum Contaminant Levels

Table 3. Diesel Fuel Plume Groundwater Recovery System Volume
Discharged to the Town of Speedway Sanitary Sewer System. Interim Measures
Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010),
Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)*	Total Discharge (gal)
November-05	45,781	45,781
December-05	31,114	76,895
January-06	73,335	150,230
February-06	80,147	230,377
March-06	120,834	351,211
April-06	144,143	495,354
May-06	154,450	649,804
June-06	107,489	757,293
July-06	84,487	841,780
August-06	67,589	909,369
September-06	72,918	982,287
October-06	87,839	1,070,126
November-06	63,920	1,134,046
December-06	66,346	1,200,392
January-07	133,021	1,333,413
February-07	65,353	1,398,766
March-07	155,248	1,554,014
April-07	187,140	1,741,154
May-07	166,833	1,907,987
June-07	157,454	2,065,441
July-07	112,785	2,178,226
August-07	92,256	2,270,482
September-07	89,094	2,359,576
October-07	64,686	2,424,262
November-07	59,691	2,483,953
December-07	91,326	2,575,279
January-08	119,403	2,694,682
February-08	112,264	2,806,946
March-08	118,756	2,925,702
April-08	120,164	3,045,866
May-08	122,034	3,167,900
June-08	193,516	3,361,416
July-08	176,548	3,537,964
August-08	149,852	3,687,816
September-08	108,130	3,795,946
October-08	125,307	3,921,253
November-08	78,114	3,999,367
December-08	66,170	4,065,537
January-09	85,870	4,151,407
February-09	158,890	4,310,297
March-09	183,640	4,493,937
April-09	186,867	4,680,804
May-09	223,829	4,904,633
June-09	226,143	5,130,776
July-09	175,478	5,306,254
August-09	162,925	5,469,179
September-09	109,644	5,578,823
October-09	125,405	5,704,228
November-09	122,027	5,826,255
December-09	96,694	5,922,949
January-10	84,630	6,007,579
February-10	142,711	6,150,290
March-10	158,118	6,308,408
April-10	161,899	6,470,307
May-10	196,817	6,667,124
June-10	290,911	6,958,035
July-10	357,283	7,315,318
August-10	295,290	7,610,608
September-10	228,636	7,839,244
October-10	271,612	8,110,856
November-10	199,189	8,310,045
December-10	155,788	8,465,833

NOTES:

1) Discharge of the pre-treated effluent water has been approved by the Town of Speedway through Industrial Waste Discharge Permit Number 2009-3, effective October 01, 2009. The current permit is a revised version of Permit Number 2007-3 (revision due only to name change of permit holder), which was approved on September 24, 2007, and became effective as of October 1, 2007. Prior to October 2007, the discharge was permitted through the Town of Speedway Industrial Waste Discharge Permit Number 2003-1.
2) Currently, Outfall 003.
3.) * - Discharge of BW-5 through BW-10 to the Town of Speedway sanitary sewer.

Table 4. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Toxic Organics (TTO)	
SampleDate	Oil&Grease	TPH	Volatiles	Semivolatiles
11/5/2005	ND	ND	NAN	NAN
11/10/2005	ND	ND	NAN	NAN
11/16/2005	ND	ND	NAN	NAN
11/22/2005	ND	ND	NAN	NAN
11/30/2005	ND	ND	NAN	NAN
12/7/2005	ND	ND	NAN	NAN
12/14/2005	ND	ND	NAN	NAN
12/21/2005	ND	ND	ND	0.032
12/27/2005	ND	ND	NAN	NAN
1/4/2006	ND	ND	NAN	NAN
1/11/2006	ND	ND	NAN	NAN
1/18/2006	ND	ND	NAN	NAN
1/25/2006	ND	ND	NAN	NAN
2/1/2006	ND	ND	ND	ND
2/8/2006	ND	ND	NAN	NAN
2/15/2006	ND	ND	NAN	NAN
2/22/2006	ND	ND	NAN	NAN
3/1/2006	ND	ND	NAN	NAN
3/8/2006	ND	ND	NAN	NAN
3/15/2006	7.4	ND	NAN	NAN
3/22/2006	ND	ND	NAN	NAN
3/29/2006	ND	ND	NAN	NAN
4/5/2006	ND	ND	NAN	NAN
4/12/2006	ND	ND	NAN	NAN
4/20/2006	ND	ND	NAN	NAN
4/26/2006	5.1	ND	NAN	NAN
5/3/2006	ND	ND	NAN	NAN
5/10/2006	ND	ND	NAN	NAN
5/18/2006	ND	ND	NAN	NAN
5/24/2006	ND	ND	NM*	0.066
6/1/2006	ND	ND	NAN	NAN
6/7/2006	ND	ND	NAN	NAN
6/14/2006	ND	ND	NAN	NAN
6/21/2006	ND	ND	ND	0.013
6/28/2006	ND	ND	NAN	NAN
7/6/2006	ND	ND	NAN	NAN
7/12/2006	ND	ND	NAN	NAN
7/19/2006	ND	ND	NAN	NAN
7/26/2006	ND	ND	NAN	NAN
8/2/2006	ND	ND	NAN	NAN
8/9/2006	8.3	ND	NAN	NAN
8/16/2006	6.6	ND	NAN	NAN
8/25/2006	17.7	10.5	NAN	NAN
8/30/2006	6.2	ND	NAN	NAN
9/7/2006	7.6	ND	NAN	NAN
9/13/2006	39.1	19.2	ND	0.082
9/20/2006	76.9	20.6	NAN	NAN
9/27/2006	42.9	ND	NAN	NAN
10/4/2006	13	ND	NAN	NAN
10/11/2006	17.7	13.6	NAN	NAN
10/19/2006	ND	ND	NAN	NAN
10/25/2006	ND	ND	NAN	NAN
11/1/2006	ND	ND	NAN	NAN
11/8/2006	ND	ND	NAN	NAN
11/15/2006	ND	ND	NAN	NAN
11/21/2006	ND	ND	ND	ND
11/29/2006	ND	ND	NAN	NAN
12/6/2006	ND	ND	NAN	NAN
12/13/2006	ND	ND	NAN	NAN
12/20/2006	7.5	ND	NAN	NAN
1/4/2007	ND	ND	NAN	NAN
1/10/2007	ND	ND	NAN	NAN
1/17/2007	ND	ND	NAN	NAN
1/24/2007	ND	ND	NAN	NAN
1/31/2007	6.2	ND	ND	NAN
2/7/2007	ND	ND	NAN	NAN
2/15/2007	ND	ND	NAN	NAN
2/21/2007	ND	ND	NAN	NAN
3/7/2007	ND	ND	NAN	NAN

Table 4. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Toxic Organics (TTO)	
SampleDate	Oil&Grease	TPH	Volatiles	Semivolatiles
4/11/2007	29.0	19.5	NAN	NAN
5/23/2007	32.8	16.9	ND	ND
6/13/2007	ND	ND	NAN	NAN
7/6/2007	77.6	43.2	NAN	NAN
8/1/2007	179	113	ND	ND
8/22/2007	46	27.8	ND	ND
9/11/2007	237	161	NAN	NAN
10/10/2007	11	7.1	NAN	NAN
11/16/2007	150	70.4	NAN	NAN
12/12/2007	311	138	ND	0.339
1/8/2008	44.0	27.3	NAN	NAN
2/8/2008	64.2	32.5	NAN	NAN
3/4/2008	29.8	8.3	ND	0.017
4/3/2008	ND	ND	NAN	NAN
5/16/2008	27.7	17.1	NAN	NAN
6/3/2008	18.8	7.0	ND	0.011
7/14/2008	ND	ND	NAN	NAN
8/12/2008	79.4	52.1	ND	ND
9/9/2008	6.7	<5.0	NAN	NAN
10/1/2008	14.5	5.2	NAN	NAN
11/3-4/2008	19.6	12.0	ND	0.0112
12/1/2008	201	138	NAN	NAN
1/9/2009	< 5	< 5	NAN	NAN
2/10-11/2009	< 5	< 5	< 0.050	< 0.0562
3/19/2009	< 5	< 5	NAN	NAN
4/3/2009	< 5	< 5	NAN	NAN
5/6/2009	< 5	< 5	NAN	NAN
6/16/2009	< 5	< 5	< 0.050	< 0.0588
7/23/2009	< 5	< 5	NAN	NAN
8/6/2009	< 5	< 5	< 0.050	0.0153
9/15/2009	< 5	< 5	NAN	NAN
10/1/2009	5.7	< 5	NAN	NAN
11/13/2009	25.1	6.3	NAN	NAN
12/30/2009	5.2	< 5	< 0.050	0.0136
1/11/2010	5.2	< 5	NAN	NAN
2/26/2010	< 5	< 5	NAN	NAN
3/4/2010	< 5	< 5	< 0.05	< 0.05
4/14/2010	< 5	< 5	NAN	NAN
5/6/2010	< 5	< 5	< 0.05	0.0386
6/2/2010	5.5	< 5	NAN	NAN
7/6/2010	< 5	< 5	NAN	NAN
8/10/2010	< 5	< 5	0.151	0.007
9/3/2010	< 5	< 5	NAN	NAN
10/1/2010	< 5	< 5	NAN	NAN
11/1/2010	15.3	6.2	0.0522	< 0.0526
12/16/2010	27.6	13.3	NAN	NAN
Discharge Limits***		**200**	**2.13****	
Surcharge Limit****	100			

Limit

All sample results are reported in milligrams per liter (mg/L) or parts per million (ppm)

ND - Constituent not detected above laboratory detection limit

NAN - Not Analyzed

* - Pump problem prevented complete TTO sample from being collected

** - TTO permit limit based on combined TTO Volatiles and TTO Semi-Volatiles

*** - Discharge limits set forth in: Modifications to: Allison Transmission, GMC Industrial Waste Discharge Permit No. 2007-3 (effective 1 October 2007), which was later supceded by General Motors, LLC Waste Discharge Permit No. 2009-3 (effective 1 October 2009).

**** - Surcharge applies if oil and grease discharge limits exceeded.

Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	**Well**	**Sample Date**	**TPH - Diesel**	**TPH - Gasoline**	**TPH - Mineral Spirits**	**TPH - Oil**
AOI 26 - Former UST Area						
	MW-0103-S1	3/13/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/14/2002	< 0.43 U	< 1 U	NA	NA
	MW-0104-S2	3/14/2002	7.9 J	< 0.25 U	NA	< 1.3 U
		11/20/2003	3.2	NA	NA	NA
		5/18/2004	2.9	NA	NA	NA
	MW-12-S1	6/1/1992	16	NA	11	NA
		3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
AOI 40 - Hydrocarbon Plume Area						
	MW-0105-S2	8/15/2002	7.6 J	1.75	NA	NA
	MW-0106-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	< 0.44 U	< 1 U	NA	NA
		11/21/2003	< 0.40 U	NA	NA	NA
		5/17/2004	<0.86	NA	NA	NA
	MW-0107-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	1.6 J	< 1 U	NA	NA
		11/21/2003	1.5	NA	NA	NA
		5/17/2004	2.0	NA	NA	NA
	MW-0116-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	< 0.4 U	< 1 U	NA	NA
	MW-16-S2	6/1/1992	NA	NA	28	NA
		3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	1.7	< 1 U	NA	NA
	MW-30-S2	3/13/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		3/13/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/14/2002	1.0	< 1 U	NA	NA
		11/21/2003	1.1	NA	NA	NA
		11/21/2003	1.3	NA	NA	NA
		5/17/2004	1.1	NA	NA	NA
	MW-31-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/14/2002	1.7 J	4.57 J	NA	NA
		8/14/2002	1.3	4.89	NA	NA
	MW-32-S2	3/15/2002	7.3 J	< 0.25 U	NA	< 1.3 U
		8/15/2002	6.8 J	< 1 U	NA	NA
		11/21/2003	2.7	NA	NA	NA
		5/17/2004	3.6	NA	NA	NA
	BW-4	6/1/1992	< 0.1	< 0.1	NA	NA
		12/17/2003	3000	NA	NA	NA
		5/14/2004	90	NA	NA	NA
		11/24/2004	30	NA	NA	NA
		6/29/2005	30	NA	NA	NA
		12/15/2005	29	NA	NA	NA
		6/12/2006	55	NA	NA	NA
		1/2/2007	97	NA	NA	NA

Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	**Well**	**Sample Date**	**TPH - Diesel**	**TPH - Gasoline**	**TPH - Mineral Spirits**	**TPH - Oil**
		4/5/2007	436	NA	NA	NA
		12/11/2007	2700	NA	NA	NA
		3/4/2008	141	NA	NA	NA
		6/3/2008	30.8	NA	NA	NA
		8/11/2008	9.2	NA	NA	NA
		11/3/2008	5.1	NA	NA	NA
		2/10/2009	199	NA	NA	NA
		6/16/2009	12.0	NA	NA	NA
		8/11/2009	16.6	NA	NA	NA
		11/16/2009	5.2	NA	NA	NA
		6/8/2010	15.4	NA	NA	NA
	BW-5	5/21/2001	2400	NA	NA	NA
		5/24/2002	170 J	NA	NA	NA
		11/20/2002	620	NA	NA	NA
		11/20/2002	27	NA	NA	NA
		5/22/2003	1300	NA	NA	NA
		12/17/2003	44	NA	NA	NA
		5/14/2004	7.0	NA	NA	NA
		11/24/2004	420	NA	NA	NA
		6/29/2005	4.0	NA	NA	NA
		12/15/2005	4.3	NA	NA	NA
		6/12/2006	6.0	NA	NA	NA
		1/2/2007	21.0	NA	NA	NA
		4/5/2007	45.5	NA	NA	NA
		12/11/2007	735	NA	NA	NA
		3/4/2008	6.5	NA	NA	NA
		6/3/2008	3.5	NA	NA	NA
		8/11/2008	8.2	NA	NA	NA
		11/3/2008	1340	NA	NA	NA
		2/10/2009	32.7	NA	NA	NA
		6/16/2009	59.9	NA	NA	NA
		8/11/2009	202	NA	NA	NA
		11/16/2009	4.4	NA	NA	NA
		6/8/2010	5.5	NA	NA	NA
	BW-6	5/21/2001	1.3	NA	NA	NA
		5/24/2002	2.4	NA	NA	NA
		11/20/2002	2.0	NA	NA	NA
		5/22/2003	2.9	NA	NA	NA
		12/17/2003	5.3	NA	NA	NA
		5/14/2004	4.0	NA	NA	NA
		11/24/2004	16	NA	NA	NA
		6/29/2005	2.0	NA	NA	NA
		12/15/2005	3.3	NA	NA	NA
		6/12/2006	4.5	NA	NA	NA
		1/2/2007	5	NA	NA	NA
		4/5/2007	4.9	NA	NA	NA
		12/11/2007	8.4	NA	NA	NA
		3/4/2008	49.2	NA	NA	NA
		6/3/2008	4.8	NA	NA	NA
		8/11/2008	3.2	NA	NA	NA
		11/3/2008	8290	NA	NA	NA

Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
		2/10/2009	4.3	NA	NA	NA
		6/16/2009	10.2	NA	NA	NA
		8/11/2009	5.6	NA	NA	NA
		11/16/2009	27.0	NA	NA	NA
		6/8/2010	2.6	NA	NA	NA
	BW-7	5/21/2001	1800	NA	NA	NA
		5/24/2002	280 J	NA	NA	NA
		11/20/2002	3500	NA	NA	NA
		5/22/2003	490	NA	NA	NA
		12/17/2003	44	NA	NA	NA
		7/7/2004	5.9	NA	NA	NA
		11/24/2004	490	NA	NA	NA
		6/29/2005	3.6	NA	NA	NA
		12/15/2005	860	NA	NA	NA
		6/12/2006	5.4	NA	NA	NA
		1/2/2007	11	NA	NA	NA
		4/5/2007	9.5	NA	NA	NA
		12/11/2007	2030	NA	NA	NA
		3/4/2008	47.8	NA	NA	NA
		6/3/2008	4.8	NA	NA	NA
		8/11/2008	6.8	NA	NA	NA
		11/3/2008	30,900	NA	NA	NA
		2/10/2009	48.6	NA	NA	NA
		6/16/2009	1,400	NA	NA	NA
		8/11/2009	3.7	NA	NA	NA
		11/16/2009	504	NA	NA	NA
		6/8/2010	6.80	NA	NA	NA
	BW-8	5/21/2001	150	NA	NA	NA
		5/24/2002	9400 J	NA	NA	NA
		11/20/2002	760	NA	NA	NA
		5/22/2003	24	NA	NA	NA
		12/17/2003	7.2	NA	NA	NA
		5/14/2004	2.4	NA	NA	NA
		11/24/2004	1600	NA	NA	NA
		6/29/2005	3.4	NA	NA	NA
		12/15/2005	29	NA	NA	NA
		6/12/2006	3.6	NA	NA	NA
		1/2/2007	NA	NA	NA	NA
		4/5/2007	10.5	NA	NA	NA
		12/11/2007	2270	NA	NA	NA
		3/4/2008	9.1	NA	NA	NA
		6/3/2008	342	NA	NA	NA
		8/11/2008	8.7	NA	NA	NA
		11/3/2008	6150	NA	NA	NA
		2/10/2009	165	NA	NA	NA
		6/16/2009	98.7	NA	NA	NA
		8/11/2009	2040	NA	NA	NA
		11/16/2009	218	NA	NA	NA
		6/8/2010	16.30	NA	NA	NA
	BW-9	5/21/2001	3300	NA	NA	NA

Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
		5/24/2002	13 J	NA	NA	NA
		11/20/2002	580	NA	NA	NA
		5/22/2003	9.2	NA	NA	NA
		12/17/2003	2.8	NA	NA	NA
		5/14/2004	1.7	NA	NA	NA
		11/24/2004	710	NA	NA	NA
		6/29/2005	2.0	NA	NA	NA
		12/15/2005	16	NA	NA	NA
		6/12/2006	1.9	NA	NA	NA
		1/2/20007	2	NA	NA	NA
		4/5/2007	2.5	NA	NA	NA
		12/11/2007	2150	NA	NA	NA
		3/4/2008	4.6	NA	NA	NA
		6/3/2008	5.7	NA	NA	NA
		8/11/2008	4.7	NA	NA	NA
		11/3/2008	82.4	NA	NA	NA
		2/10/2009	5.3	NA	NA	NA
		6/16/2009	1.6	NA	NA	NA
		8/11/2009	1.9	NA	NA	NA
		11/16/2009	829	NA	NA	NA
		6/8/2010	1.40	NA	NA	NA
	BW-10	5/21/2001	2.8	NA	NA	NA
		5/24/2002	5.1	NA	NA	NA
		11/20/2002	8.2	NA	NA	NA
		5/22/2003	16	NA	NA	NA
		12/17/2003	2.9	NA	NA	NA
		5/14/2004	2.1	NA	NA	NA
		11/24/2004	12	NA	NA	NA
		6/29/2005	2.6	NA	NA	NA
		12/15/2005	3.5	NA	NA	NA
		6/12/2006	2.1	NA	NA	NA
		1/2/2007	3	NA	NA	NA
		4/5/2007	3.8	NA	NA	NA
		12/11/2007	78.5	NA	NA	NA
		3/4/2008	2.9	NA	NA	NA
		6/3/2008	4.2	NA	NA	NA
		8/11/2008	3.0	NA	NA	NA
		11/3/2008	114	NA	NA	NA
		2/10/2009	NA	NA	NA	NA
		6/16/2009	2.1	NA	NA	NA
		8/11/2009	3.1	NA	NA	NA
		11/16/2009	8.2	NA	NA	NA
		6/8/2010	1.1	NA	NA	NA
	BW-11	12/15/2005	3.6	NA	NA	NA
		6/12/2006	7.2	NA	NA	NA
		1/2/2007	68	NA	NA	NA
		4/5/2007	526	NA	NA	NA
		12/11/2007	233	NA	NA	NA
		3/4/2008	149	NA	NA	NA
		6/3/2008	182	NA	NA	NA

Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	**Well**	**Sample Date**	**TPH - Diesel**	**TPH - Gasoline**	**TPH - Mineral Spirits**	**TPH - Oil**
		8/11/2008	32.5	NA	NA	NA
		11/3/2008	8.7	NA	NA	NA
		2/10/2009	8.3	NA	NA	NA
		6/16/2009	10.7	NA	NA	NA
		8/11/2009	22.1	NA	NA	NA
		11/16/2009	1020	NA	NA	NA
		6/8/2010	6.70	NA	NA	NA
	BW-12	12/15/2005	20	NA	NA	NA
		6/12/2006	53	NA	NA	NA
		1/2/2007	49	NA	NA	NA
		4/5/2007	242	NA	NA	NA
		12/11/2007	18.1	NA	NA	NA
		3/4/2008	7.6	NA	NA	NA
		6/3/2008	4.3	NA	NA	NA
		8/11/2008	7.6	NA	NA	NA
		11/3/2008	4.1	NA	NA	NA
		2/10/2009	6.3	NA	NA	NA
		6/16/2009	80.6	NA	NA	NA
		8/11/2009	669	NA	NA	NA
		11/16/2009	61.7	NA	NA	NA
		6/8/2010	12.1	NA	NA	NA

NOTES:

1.) Analytical data presented in milligrams per liter (ppm)

2.) NA Not Applicable/Not Available

3.) Samples analyzed after April 2001 and before December 2002 were validated and if a qualifier was assigned to a r the qualifier is presented after the result. Following are descriptions of qualifiers:

D - compound at secondary dilution factor

U - compound was not detected

DJ - compound was estimated at a secondary dilution factor

NE - Not Established

R - Rejected

UJ - compound was detected below the detection limit

J - compound estimated below detection limits

Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
BW-4	April - December 2001	53,000	--	--
	January - June 2002	217,000	--	--
	July - December 2002[1]	72,000	--	--
	January - June 2003[2]	218,224	--	--
	July - December 2003[3]	229,741	5,752	3,000
	January - June 2004[4]	471,138	354	90
	July - December 2004[5]	491,813	123	30
	January - June 2005[6]	563,138	141	30
	July - December 2005[7]	240,062	58.1	29
	January - June 2006[8]	637,493	293	55
	July - December 2006[9]	518,053	419	97
	January - June 2007[11]	513,095	1,867	436
	July - December 2007[12]	43,185	973	2,700
	January - June 2008[13]	7,270	5.21	86
	July - December 2008[14]	7,306	0.44	7
	January - June 2009	10,444	8.89	102
	July - December 2009	9,929	1.18	14
	January - June 2010[15]	6,998	0.64	11
	July - December 2010	10,173	1.31	15.4
	Cumulative Results	4,320,063	9,998	--
BW-5	April - December 2001	324,700	6,503	2400
	January - June 2002	306,300	435	170
	July - December 2002[1]	87,500	236	324
	January - June 2003[2]	112,439	1,220	1,300
	July - December 2003[3]	94,881	34.8	44
	January - June 2004[4]	99,647	5.82	7.0
	July - December 2004[5]	59,010	207	420
	January - June 2005[6]	26,843	0.90	4.0
	July - December 2005[7]	37,443	1.34	4.3
	January - June 2006[8]	71,956	3.60	6.0
	July - December 2006[9]	33,666	5.90	21.0
	January - June 2007[11]	62,562	23.8	45.5
	July - December 2007[12]	21,724	133	735
	January - June 2008[13]	99,798	4.16	5.0
	July - December 2008[14]	55,348	311	674
	January - June 2009	88,535	34.2	46
	July - December 2009	35,540	30.6	103
	January - June 2010[15]	71,137	2.9	5
	July - December 2010	17,654	0.8	5.5
	Cumulative Results	1,706,682	9,194	--
BW-6	April - December 2001	130,100	1.41	1.3
	January - June 2002	53,200	1.07	2.4
	July - December 2002[1]	49,900	0.83	2.0
	January - June 2003[2]	120,802	2.92	2.9
	July - December 2003[3]	167,153	7.39	5.3
	January - June 2004[4]	138,061	4.61	4.0
	July - December 2004[5]	63,727	8.51	16.0
	January - June 2005[6]	13,644	0.23	2.0
	July - December 2005[7]	22,615	0.62	3.3
	January - June 2006[8]	84,088	3.16	4.5
	July - December 2006[9]	77,357	3.23	5.0
	January - June 2007[11]	154,572	6.32	4.9

Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
	July - December 2007[12]	85,975	6.03	8.4
	January - June 2008[13]	167,929	37.8	27
	July - December 2008[14]	201,190	6,962	4,147
	January - June 2009	186,999	11.3	7
	July - December 2009	138,309	18.8	16
	January - June 2010[15]	132,312	16.3	15
	July - December 2010	77,432	1.7	2.6
	Cumulative Results	2,065,365	7,094	--
BW-7	April - December 2001	332,100	4,989	1800
	January - June 2002	617,900	1,444	280
	July - December 2002[1]	330,500	9,654	3,500
	January - June 2003[2]	177,191	725	490
	July - December 2003[3]	510,450	187	44
	January - June 2004[4]	179,897	8.86	5.9
	July - December 2004[5]	299,396	1,224	490
	January - June 2005[6]	215,190	6.47	3.6
	July - December 2005[7]	88,037	632	860
	January - June 2006[8]	159,487	7.19	5.4
	July - December 2006[9]	167,110	15.34	11
	January - June 2007[11]	200,259	15.88	9.5
	July - December 2007[12]	81,842	1,386	2030
	January - June 2008[13]	284,054	62.35	26
	July - December 2008[14]	114,345	14,746	15,453
	January - June 2009	150,208	908	724
	July - December 2009	241,303	511	254
	January - June 2010[15]	284,168	605.7	255
	July - December 2010	131,327	7.5	6.8
	Cumulative Results	4,564,764	37,135	--
BW-8	April - December 2001	236,400	296	150
	January - June 2002	212,700	16,686	9400
	July - December 2002[1]	147,700	937	760
	January - June 2003[2]	195,730	39.2	24
	July - December 2003[3]	197,862	11.9	7.2
	January - June 2004[4]	125,302	2.51	2.4
	July - December 2004[5]	105,053	1,403	1600
	January - June 2005[6]	120,367	3.42	3.4
	July - December 2005[7]	47,542	11.5	29
	January - June 2006[8]	127,699	3.84	3.6
	July - December 2006[9]	48,525	NA*	NA*
	January - June 2007[11]	139,951	12.3	10.5
	July - December 2007[12]	96,349	1,825	2270
	January - June 2008[13]	166,686	244	176
	July - December 2008[14]	98,388	2,528	3,079
	January - June 2009	181,178	199	132
	July - December 2009	146,103	1,377	1,129
	January - June 2010[15]	228,193	223	117
	July - December 2010	67,910	9	16.3
	Cumulative Results	2,689,638	25,812	--
BW-9	April - December 2001	112,800	3,106	3300
	January - June 2002	118,400	12.8	13
	July - December 2002[1]	51,300	248	580

Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
	January - June 2003[2]	108,995	8.37	9.2
	July - December 2003[3]	66,703	1.56	2.8
	January - June 2004[4]	20,624	0.29	1.7
	July - December 2004[5]	19,472	115	710
	January - June 2005[6]	33,433	0.56	2.0
	July - December 2005[7]	20,688	2.76	16.0
	January - June 2006[8]	31,310	0.50	1.9
	July - December 2006[9]	15,968	0.27	2.0
	January - June 2007[11]	47,704	1.00	2.5
	July - December 2007[12]	1,282	23.0	2150
	January - June 2008[13]	35,758	1.54	5.2
	July - December 2008[14]	10,059	3.66	44
	January - June 2009	20,111	0.58	3
	July - December 2009	27,566	95.6	415
	January - June 2010[15]	28,001	97.02	415
	July - December 2010	14,715	0.17	1.4
	Cumulative Results	784,888	3,720	--
BW-10	April - December 2001	329,200	7.69	2.8
	January - June 2002	167,000	7.11	5.1
	July - December 2002[1]	120,800	8.27	8.2
	January - June 2003[2]	129,790	17.3	16
	July - December 2003[3]	191,657	4.64	2.9
	January - June 2004[4]	196,193	3.44	2.1
	July - December 2004[5]	153,064	15.3	12
	January - June 2005[6]	145,987	3.17	2.6
	July - December 2005[7]	57,671	1.68	3.5
	January - June 2006[8]	149,940	2.63	2.1
	July - December 2006[9]	94,371	2.36	3.0
	January - June 2007[11]	153,911	4.88	3.8
	July - December 2007[12]	68,572	44.9	78.5
	January - June 2008[13]	15,252	0.45	3.6
	July - December 2008[14]	462,652	226	58.5
	January - June 2009	113,269	1.99	2.1
	July - December 2009	205,207	9.68	5.7
	January - June 2010[15]	105,818	4.11	4.7
	July - December 2010	59,535	0.55	1.1
	Cumulative Results	2,919,890	366	--
BW-11	July - December 2005[7]	17,851	0.54	3.6
	January - June 2006[8]	29,681	1.78	7.2
	July - December 2006[9]	1,888	1.07	68
	January - June 2007[11]	15,901	69.8	526
	July - December 2007[12]	7,900	15.4	233
	January - June 2008[13]	1	0.00	166
	July - December 2008[14]	16	0.00	20.6
	January - June 2009	18	0.00	10
	July - December 2009	79,736	347	521
	January - June 2010[15]	5,826	24.96	513
	July - December 2010	85,131	4.76	6.7
	Cumulative Results	243,948	465.0	--
BW-12	July - December 2005[7]	55,290	9.23	20.0
	January - June 2006[8]	287,189	127.0	53.0

Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
	July - December 2006[9]	339,255	138.7	49.0
	January - June 2007[11]	877,036	1,771	242
	July - December 2007[12]	704,951	106	18.1
	January - June 2008[13]	754,530	37.5	5.95
	July - December 2008[14]	218,842	10.7	5.85
	January - June 2009	728,141	264	43
	July - December 2009	521,760	1,591	365
	January - June 2010[15]	169,484	52.2	37
	July - December 2010	332,513	33.6	12.1
	Cumulative Results	4,988,991	4,141	--

Total Volume of Water Pumped = 24,284,229 gal
Average Gallons/Day Pumped[9] = 6,900 gal
Total TPH-Diesel Removed to Date[10] = 97,926 pounds
Total TPH-Diesel Removed for Current Time Period [10] = 60 pounds

*Barrier well not sampled, pump was not operational

Values presented above are estimates. Flowmeters for individual wells are not calibrated annually. Additionally, due to low flow rates, the appropriately sized flow meters are small diameter, therefore small flow meter orifices, which are prone to fouling, which stops data collection until cleaning. Therefore, the values presented are typically under-reporting the total volume of fluids processed.

Notes:

1.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 5/21/01, 5/24/02, 11/20/02.
2.) TPH concentration as reported for samples collected on 5/22/03.
3.) TPH concentration as reported for samples collected on 12/17/03.
4.) TPH concentration as reported for samples collected on 5/14/04.
5.) TPH concentration as reported for samples collected on 11/24/04.
6.) TPH concentration as reported for samples collected on 6/29/05.
7.) TPH concentration as reported for samples collected on 12/15/05.
8.) TPH concentration as reported for samples collected on 6/12/06.
9.) Average gallons/day pumped since system began operation in April 2001.
10.) Value calculated assuming that 1 lb of water = 0.85 lbs of TPH-Diesel.
11.) TPH concentration as reported for samples collected on 4/5/2007.
12.) TPH concentration as reported for samples collected on 12/11/2007.
13.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 3/4/08 and 6/3/2007.
14.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 08/11/08 and 11/03/08.
15.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 11/16/09 and 06/08/10.
16.) TPH concentration is estimated using TPH concentrations reported for samples collected on 06/08/10.

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4
1/21/2003	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--	--	--	--	--
2/26/2003	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--
3/26/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/22/2003	--	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--
5/13/2003, 5/22/2003	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--
6/20/2003	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out
7/31/03, 8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/18/2003[3]	--	--	30% saturated	--	--	30% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
10/21/2003	--		40% saturated	--	--	30% saturated	--	--	--	90% saturated, sock changed-out	--	--	--	20% saturated
11/13/2003[4]	--	--	50% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	--	90% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out
12/17/2003	--	--	100% saturated, sock changed-out	--	--	20% saturated	--	--	--	20% saturated	--	--	--	90% saturated, sock changed-out
Hydrocarbons Recovered[5] 2003 (gal)	**0.00**	**0.00**	**0.75**	**0.00**	**0.60**	**0.60**	**0.30**	**0.30**	**0.00**	**1.74**	**0.60**	**0.00**	**0.00**	**1.02**
1/21/2004[4]		--	90% saturated, sock changed-out	--	--	90% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
2/24/2004	began checking well, sock installed	--	90% saturated, sock changed-out	30% saturated	--	80% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	80% saturated, sock changed-out
3/23/2004	90% saturated, sock changed-out	--	20% saturated	--	--	10% saturated	100% saturated, sock changed-out	--	--	90% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
4/23/2004	10% saturated, sock changed-out	--	30% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	10% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	0%, sock changed-out	0%, sock changed-out	0%, sock changed-out	100% saturated, sock changed-out
5/14/2004[4,6]	sock removed for groundwater sampling	--	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	--	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling
6/24/2004	no LNAPL present, sock not installed	--	--	--	--	no LNAPL present, sock not installed	--	--	--	no LNAPL present, sock not installed	--	--	--	sock installed
7/26/2004	0% saturated	--	0% saturated	--	--	0% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	15% saturated
8/31/2004	0% saturated	--	0% saturated	--	--	0% saturated	--	--	--	0% saturated	--	--	--	30% saturated
9/30/2004	15% saturated	--	20% saturated	--	--	20% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
10/28/2004	0% saturated	--	25% saturated	--	--	0% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
11/24/2004[4]	0% saturated, sock changed-out	--	30% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	--	100% saturated, sock changed-out	0% saturated , sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out
12/7/2004	5% saturated	--	20% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	80% saturated, sock changed-out
Hydrocarbons Recovered[5] 2004 (gal)	**0.30**	**0.00**	**0.72**	**0.36**	**0.29**	**0.60**	**0.66**	**0.36**	**0.00**	**2.52**	**0.00**	**0.00**	**0.00**	**2.28**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-4	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
1/21/2003				--	--	--	--	--	--	--	--				0.6
2/26/2003				--	--	--	--	--	--	--	--				0.9
3/26/2003				--	--	--	--	--	--	--	--				0.90
4/22/2003				--	--	--	--	--	--	--	--				1.20
5/13/2003, 5/22/2003				--	--	--	--	--	--	--	--				1.50
6/20/2003				--	--	--	--	--	--	--	--				3.60
7/31/03, 8/1/2003				--	--	--	--	--	--	--	--				3.60
9/18/2003[3]				--	--	--	--	--	--	--	--				4.20
10/21/2003				--	--	--	--	--	--	--	--				4.47
11/13/2003[4]				--	--	--	--	--	--	--	--				5.34
12/17/2003				--	--	--	--	--	--	--	--				5.91
Hydrocarbons Recovered[5] 2003 (gal)				**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**				**5.91**
1/21/2004[4]				--	--	--	--	--	--	--	--				1.14
2/24/2004				--	--	--	--	--	--	--	--				2.19
3/23/2004				--	--	--	--	--	--	--	--				3.33
4/23/2004				--	--	--	--	--	--	--	--				5.06
5/14/2004[4,6]				--	--	--	--	--	--	--	--				5.06
6/24/2004				began checking well, no sock installed	began checking well, no sock installed	began checking well, sock installed	began checking well, sock installed	--	--	--	--				5.06
7/26/2004				0% saturated	0% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	--				5.36
8/31/2004				0% saturated	0% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				5.96
9/30/2004				10% saturated	10% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	--				6.86
10/28/2004				10% saturated	0% saturated	0% saturated	100% saturated, sock changed-out	--	--	--	--				7.76
11/24/2004[4]				10% saturated, sock changed-out	40% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				9.35
12/7/2004				10% saturated	80% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				10.67
Hydrocarbons Recovered[5] 2004 (gal)				**0.03**	**0.36**	**0.69**	**1.80**	**0.00**	**0.00**	**0.00**	**0.00**				**10.67**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4
1/31/2005	0% saturated	--	0% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
2/24/2005	10% saturated	--	20% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
3/29/2005	20% saturated	--	100% saturated, sock changed-out	--	--	25% saturated	--	--	0% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
4/28/2005	25% saturated	--	0% saturated	--	--	30% saturated	--	--	25% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
5/31/2005	25% saturated, sock changed-out	--	10% saturated, sock changed-out	--	--	30% saturated	--	--	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
6/29/2005	25% saturated, sock changed-out	--	10% saturated, sock changed-out	10% saturated, sock changed-out	20% saturated, sock changed-out	30% saturated, sock changed-out	25% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated , sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out
7/29/2005	80% saturated, sock changed out	--	30% saturated	--	--	60% saturated	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	60% saturated, sock changed-out
8/31/2005	20% saturated	--	50% saturated	--	--	70% saturated	--	--	50% saturated	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
9/30/2005	20% saturated, sock changed-out	0% saturated, sock changed out	70% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	75% saturated, sock changed-out	10% saturated, sock changed-out	0% saturated, sock changed-out	10% saturated, sock changed-out	100% saturated, sock changed-out
10/31/2005	5% saturated	--	60% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
11/29/2005	10% saturated	--	60% saturated, sock changed-out	--	--	50% saturated	--	--	75% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
12/22/2005	25% saturated, sock changed-out	0% saturated, sock changed out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	25% saturated , sock changed-out	10% saturated, sock changed-out	25% saturated, sock changed-out	100% saturated, sock changed-out
Hydrocarbons Recovered[5] 2005 (gal)	**0.53**	**0.00**	**1.23**	**0.63**	**0.66**	**0.86**	**0.68**	**0.90**	**1.35**	**3.53**	**0.11**	**0.03**	**0.11**	**3.48**
1/31/2006	80% saturated, sock changed out	--	100% saturated, sock changed out	--	--	100% saturated, sock changed out	--	--	100% saturated, sock changed out	100% saturated, sock changed-out	--	--	--	75% saturated, sock changed out
2/28/2006	5% saturated	--	50% saturated	--	--	100% saturated, sock changed out	--	--	10% saturated	75% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
3/30/2006	30% saturated, sock changed-out	0% saturated, sock changed out	75% saturated, sock changed-out	75% saturated, sock changed-out	well buried; could not find	10% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	50% saturated, sock changed-out	75% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out
4/28/2006	50% saturated	--	10% saturated	--	--	20% saturated	100% saturated, sock changed-out	50% saturated	75% saturated, sock changed-out	75% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
5/30/2006	75% saturated, sock changed-out	--	25% saturated	--	--	50% saturated	25% saturated	80% saturated, sock changed-out	10% saturated	50% saturated	--	--	--	100% saturated, sock changed-out
6/26/2006	10% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out
8/16/2006	--	--	25% saturated	--	--	5% saturated	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	--
8/29/2006	10% saturated	--	25% saturated	--	--	10% saturated	100% saturated, sock changed-out	--	50% saturated, sock changed-out	75% saturated, sock changed-out	--	--	--	20% saturated, sock changed-out
9/26/2006	60% saturated, sock changed-out	--	50% saturated, sock changed-out	--	--	10% saturated	100% saturated, sock changed-out	--	5% saturated	20% saturated	--	--	--	100% saturated, sock changed-out
10/18/2006	1% saturated	--	--	--	--	40% saturated	100% saturated, sock changed-out	--	--	40% saturated	--	--	--	100% saturated, sock changed-out
11/23/2006	10% saturated	--	5% saturated	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	1% saturated	5% saturated	50% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
12/18/2006	10% saturated	--	10% saturated	--	--	10% saturated	100% saturated, sock changed-out	10% saturated	20% saturated	10% saturated	--	--	--	100% saturated, sock changed-out
Hydrocarbons Recovered[5] 2006 (gal)	**0.77**	**0.00**	**0.98**	**0.53**	**0.30**	**1.23**	**2.70**	**0.84**	**0.90**	**1.80**	**0.00**	**0.00**	**0.00**	**2.99**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-4	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
1/31/2005				10% saturated	100% saturated, sock changed-out	10% saturated	100% saturated, sock changed-out	--	--	--	--				1.20
2/24/2005				80% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				2.94
3/29/2005				25% saturated	100% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				4.68
4/28/2005				30% saturated	100% saturated, sock changed-out	25% saturated	100% saturated, sock changed-out	--	--	--	--				5.96
5/31/2005				50% saturated, sock changed-out	100% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				7.71
6/29/2005				75% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				10.32
7/29/2005				10% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	90% saturated, sock changed-out	--	--	--	--				12.21
8/31/2005				100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				14.01
9/30/2005				10% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				17.46
10/31/2005				10% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				19.59
11/29/2005				20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	began checking well, sock installed	--	--	--				21.50
12/22/2005				50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--				25.43
Hydrocarbons Recovered[5] 2005 (gal)				**1.10**	**3.60**	**2.79**	**3.57**	**0.30**	**0.00**	**0.00**	**0.00**				**25.43**
1/31/2006				20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--				3.47
2/28/2006				20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	began checking well, sock installed	began checking well, sock installed	--				6.09
3/30/2006				30% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				9.38
4/28/2006				50% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	75% saturated, sock changed-out	50% saturated	50% saturated	--				11.25
5/30/2006				20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--				13.22
6/26/2006				30% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	75% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				17.24
8/16/2006				--	--	--	--	100% saturated, sock changed-out	--	--	--				17.99
8/29/2006				20% saturated	50% saturated, sock changed-out	50% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				19.92
9/26/2006				5% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	--				22.28
10/18/2006				50% saturated	50% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				24.23
11/23/2006				10% saturated	50% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				26.63
12/18/2006				20% saturated	50% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				28.58
Hydrocarbons Recovered[5] 2006 (gal)				**0.18**	**2.70**	**3.15**	**1.80**	**3.00**	**2.40**	**2.33**	**0.00**				**28.58**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4
1/16/2007	5% saturated	--	50% saturated, sock changed out	--	--	10% saturated	100% saturated, sock changed-out	10% saturated	50% saturated, sock changed-out	20% saturated	--	--	--	100% saturated, sock changed-out
2/22/2007	10% saturated	--	15% saturated	--	--	20% saturated	100% saturated, sock changed-out	30% saturated	25% saturated	35% saturated	--	--	--	100% saturated, sock changed-out
3/20/2007	5% saturated	--	35% saturated	--	--	40% saturated	100% saturated, sock changed-out	35% saturated	35% saturated	40% saturated	--	--	--	100% saturated, sock changed-out
4/24/2007	5% saturated	--	70% saturated, sock changed-out	--	--	60% saturated, sock changed-out	100% saturated, sock changed-out	45% saturated, sock changed-out	50% saturated, sock changed-out	40% saturated	--	--	--	100% saturated, sock changed-out
5/17/2007	5% saturated	--	40% saturated	--	--	40% saturated	100% saturated, sock changed-out	10% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
6/26/2007	20% saturated	--	25% saturated, sock changed-out	--	--	30% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated	30% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
7/24/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out
8/20/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out
9/20/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/22/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out
11/15/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out
12/13/2007	80% saturated, sock changed-out	--	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated	10% saturated	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out
Hydrocarbons Recovered[5] 2007 (gal)	**0.24**	**0.00**	**0.74**	**0.00**	**0.00**	**0.42**	**3.30**	**0.14**	**0.39**	**0.90**	**0.00**	**0.00**	**0.00**	**3.30**
1/18/2008	--	--	100% saturated, sock changed-out	--	--	--	10% saturated	--	25% saturated	--	--	--	--	100% saturated (3), socks changed-out
2/8/2008	--	--	--	--	--	--	25% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out
3/10/2008	--	--	--	--	--	--	10% saturated	--	--	--	--	--	--	100% saturated (3), socks changed-out
4/7/2008	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out
5/7/2008	--	--	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	10% saturated	10% saturated	100% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out
6/26/2008	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out
7/31/2008	--	--	25% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out	--	--	75% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out
8/27/2008	--	--	50% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out
9/16/2008	--	--	5% saturated	--	--	--	30% saturated	--	--	75% saturated, sock changed-out	--	--	--	socks out for pump tests
10/29/2008	--	--	100% saturated, sock changed-out	--	--	--	75% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out
11/24/2008	--	--	100% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	75% saturated (3), socks changed-out
12/10/2008	10% saturated, sock changed-out	--	100% saturated, sock changed-out	--	--	25% saturated, sock changed-out	100% saturated, sock changed-out	10% saturated, sock changed-out	90% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	75% saturated (2), sock changed-out
Hydrocarbons Recovered[5] 2008 (gal)	**0.03**	**0.00**	**1.73**	**0.00**	**0.00**	**0.23**	**1.95**	**0.03**	**0.27**	**1.65**	**0.00**	**0.00**	**0.00**	**9.23**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-4	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
1/16/2007				25% saturated	30% saturated	100% saturated, sock changed-out	--	20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--				1.80
2/22/2007				35% saturated	40% saturated	100% saturated, sock changed-out	--	30% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--				3.30
3/20/2007				50% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				5.25
4/24/2007				10% saturated	20% saturated	100% saturated, sock changed-out	--	35% saturated	100% saturated, sock changed-out	75% saturated, sock changed-out	--				7.35
5/17/2007				20% saturated	20% saturated	100% saturated, sock changed-out	--	60% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				9.33
6/26/2007				30% saturated, sock changed-out	--	100% saturated, sock changed-out	--	20% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				11.54
7/24/2007				0% saturated	--	--	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				12.44
8/20/2007				0% saturated	--	--	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				13.34
9/20/2007				--	--	--	--	--	--	--	--				13.34
10/22/2007				0% saturated	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--				14.54
11/15/2007				0% saturated	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--				15.74
12/13/2007				25% saturated	--	25% saturated	--	80% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				18.17
Hydrocarbons Recovered[5] 2007 (gal)				**0.24**	**0.15**	**1.80**	**0.00**	**0.63**	**3.00**	**2.93**	**0.00**				**18.17**
1/18/2008				25% saturated, sock changed-out	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	10% saturated	--				2.18
2/8/2008				0% saturated	Well abandoned	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	20% saturated, sock changed-out	--				3.81
3/10/2008				0% saturated	Well abandoned	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	10% saturated	--				5.31
4/7/2008				--	Well abandoned	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				7.11
5/7/2008				25% saturated	Well abandoned	100% saturated, sock changed-out	--	25% saturated	100% saturated, sock changed-out	--	--				9.51
6/26/2008				25% saturated, sock changed-out	Well abandoned	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				11.39
7/31/2008				--	Well abandoned	100% saturated, sock changed-out	NM	25% saturated, sock changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	25% saturated, sock changed-out				13.56
8/27/2008				--	Well abandoned	100% saturated, sock changed-out	NM	25% saturated, sock changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out	25% saturated, sock changed-out				15.96
9/16/2008				20% saturated	Well abandoned	socks out for pump tests	NM	80% saturated, sock changed-out	100% saturated (2), socks changed-out	40% saturated	--				17.03
10/29/2008				--	Well abandoned	75% saturated, sock changed-out	NM	10% saturated, sock changed-out	25% saturated, sock changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out				19.23
11/24/2008				--	Well abandoned	75% saturated, sock changed-out	NM	25% saturated, sock changed-out	50% saturated, sock changed-out	75% saturated, sock changed-out	50% saturated, sock changed-out				21.33
12/10/2008				75% saturated, sock changed-out	Well abandoned	10% saturated (3), sock changed-out	NM	100% saturated, sock changed-out	100% saturated (2), sock changed-out	75% saturated, sock changed-out	75% saturated, sock changed-out				24.75
Hydrocarbons Recovered[5] 2008 (gal)				**0.38**	**0.00**	**2.94**	**0.00**	**1.10**	**3.38**	**1.19**	**0.68**				**24.75**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4
1/14/2009			100% saturated, sock changed-out	100% saturated, sock changed-out	1% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out						
1/26/2009			25% saturated, sock changed-out	10% saturated, sock changed-out		25% saturated, sock changed-out	25% saturated, sock changed-out			50% saturated, sock changed-out				100% saturated (2), sock changed-out
2/23/2009			100% saturated, sock changed-out	5% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated, sock not changed-out						
3/17/2009			40% saturated, sock not changed-out	50% saturated, sock changed-out	10% saturated, sock not changed-out	80% saturated, sock not changed-out	40% saturated, sock not changed-out	25% saturated, sock not changed-out						
3/24/2009			75% saturated, sock changed-out				50% saturated, sock changed-out			50% saturated, sock changed-out				100% saturated (2), sock changed-out
4/3/2009	75% saturated, sock changed-out		50% saturated, sock changed-out		10% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	25% saturated, sock changed-out	0% saturated, sock removed	0% saturated, sock changed-out				
6/9/2009			< 5% saturated, sock changed-out			< 5% saturated, sock changed-out	100% saturated, sock changed-out	20% saturated, sock changed-out						
8/26/2009			40% saturated, sock changed-out	20% saturated, sock changed-out	5% saturated, sock changed-out	30% saturated, sock changed-out	100% saturated, sock changed-out	20% saturated, sock changed-out						
9/25/2009		sock not changed-out	10% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	5% saturated, sock not changed-out	75% saturated, sock changed-out	0% saturated, sock not changed-out						
11/2/2009	10% saturated, sock not changed-out	sock not changed-out	100% saturated, sock changed-out	5% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out		0% saturated, sock not changed-out				
12/18/2009			25% saturated, sock changed-out			10% saturated, sock not changed-out	50% saturated, sock changed-out			25% saturated, sock not changed-out				75% saturated, sock changed-out
Hydrocarbons Recovered[5] 2009 (gal)	**0.26**	**0.00**	**1.56**	**0.56**	**0.06**	**1.38**	**2.33**	**0.50**	**0.00**	**0.38**	**0.00**	**0.00**	**0.00**	**1.43**
1/14/2010	--	--	0% saturated, sock not changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out	--	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	10% saturated, sock not changed-out	--	--	--	100% saturated (2), socks changed-out
2/22/2010	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock not changed-out	100% saturated, sock changed-out	10% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	100% saturated (2), socks changed-out
3/23/2010	--	--	5% saturated, sock not changed-out	5% saturated, sock not changed-out	10% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	--	--	--	--	--
5/24/2010	--	--	25% saturated, sock not changed-out	10% saturated, sock not changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	100% saturated (3), socks changed-out
7/14/2010	--	--	60% saturated, sock changed-out	20% saturated, sock not changed-out	Sock dirty dry. Removed	80% sarturated, sock changed-out	100% saturated, sock changed-out	60% saturated sock changed-out	--	10% saturated, sock not changed-out	--	--	--	100% saturated (3), socks changed-out
8/23/2010	--	--	10% saturated, sock not changed-out	10% saturated, sock not changed-out	0% saturated, sock not changed-out	10% saturated, sock not changed-out	20% saturated, sock not changed-out	5% saturated, sock not changed-out	--	20% saturated, sock not changed-out	--	--	--	100% saturated (3), socks changed-out
10/8/2010	--	--	50% saturated, sock changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	<25% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	0% saturated (3), socks changed-out
11/18/2010	--	--	10% saturated, sock not changed-out	20% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	--	30% saturated, sock not changed-out	--	--	--	20% saturated (2), socks not changed-out
12/2/2010	--	--	30% saturated, sock not changed-out	25% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	30% saturated, sock not changed-out	5% saturated, sock not changed-out	--	30% saturated, sock not changed-out	--	--	--	40% saturated (2), socks not changed-out
Hydrocarbons Recovered[5] 2010	**0.00**	**0.00**	**0.33**	**0.15**	**0.15**	**1.44**	**1.80**	**0.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**3.90**

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells														Cumulative Hydrocarbons Recovered[5]
	BW-4	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
1/14/2009								100% saturated, sock changed-out			100% saturated, sock changed-out				2.10
1/26/2009						50% saturated (2), sock changed-out		50% saturated, sock changed-out	25% saturated (2), sock changed-out	50% saturated, sock changed-out	25% saturated, sock changed-out				3.93
2/23/2009								100% saturated, sock changed-out			100% saturated, sock changed-out				5.43
3/17/2009								100% saturated, sock changed-out			80% saturated, sock changed-out				6.12
3/24/2009						50% saturated (2), sock changed-out		50% saturated, sock changed-out	25% saturated (2), sock changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out				8.15
4/3/2009				0% saturated, sock removed		0% saturated (2), sock changed-out		100% saturated, sock changed-out	100% saturated (2), sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out		60% saturated, sock changed-out		10.53
6/9/2009				NA		0% saturated (2), sock changed-out		100% saturated, sock changed-out			30% saturated, sock changed-out				11.31
8/26/2009								100% saturated, sock changed-out-reinstalled 2 socks			20% saturated, sock changed-out				12.32
9/25/2009								100% saturated/ 75% saturated, sock changed-out-reinstalled 2 socks			50% saturated, sock changed-out				13.22
11/2/2009								100% saturated/ 50% saturated, sock changed-out-reinstalled 2 socks		< 10% saturated, sock not changed-out	50% saturated, sock changed-out		25% saturated, sock changed-out		14.82
12/18/2009	10% saturated, sock not changed -out	10% saturated, sock not changed -out	25% saturated, sock changed -out			75% saturated (2), sock changed-out		100% saturated/ 75% saturated, sock changed-out-reinstalled 2 socks	75% saturated (2), sock changed-out	25% saturated, sock not changed-out	50% saturated, sock changed-out	0% saturated, sock not changed out	25% saturated, sock not changed-out	5% saturated, sock not changed-out	17.25
Hydrocarbons Recovered[5] 2009 (gal)	**0.03**	**0.03**	**0.08**	**0.00**	**0.00**	**1.05**	**0.00**	**3.60**	**1.35**	**0.38**	**1.97**	**0.00**	**0.33**	**0.02**	**17.25**
1/14/2010	--	--	--	--	--	100% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% saturated (2), socks changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	--	3.68
2/22/2010	--	--	--	--	--	100% saturated (2), socks changed-out	--	100% saturated (2), socks changed-out	100% saturated (2), socks changed-out	0% saturated, sock not changed-out	10% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	6.38
3/23/2010	--	--	--	--	--	--	--	100% saturated (2), socks changed-out	--	--	100% saturated, sock changed-out	--	0% saturated, sock not changed-out	--	7.88
5/24/2010	--	--	--	--	--	100% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% saturated (2), socks changed-out	25% saturated, sock not changed-out	100% saturated, sock changed-out	10% saturated, sock not changed-out	--	--	11.48
7/14/2010	--	--	--	--	--	100% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% saturated (2), socks changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	--	15.92
8/23/2010	10% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	--	--	20% saturated (3), socks not changed-out	--	60% saturated, sock changed-out	60% saturated (2), socks changed-out	15% saturated, sock not changed-out	50% saturated, sock changed-out	--	--	--	17.51
10/8/2010	0% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	--	--	0% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% & 50% saturated, socks changed-out	0% saturated, sock changed-out	0% saturated, sock not changed-out	--	--	--	18.71
11/18/2010	50% saturated (2), socks changed-out	0% saturated (2), socks changed-out	0% saturated (2), socks changed-out	--	--	0% saturated, sock not changed-out	--	--	100% & 30% saturated, socks changed-out	30% saturated, sock not changed-out	--	--	--	--	19.70
12/2/2010	Socks stuck in well	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	100% saturated (2), socks changed-out	40% saturated, sock not changed-out	--	--	--	--	21.50
Hydrocarbons Recovered[5] 2010	**0.30**	**0.30**	**0.30**	**0.00**	**0.00**	**3.60**	**0.00**	**2.58**	**4.20**	**0.47**	**1.35**	**0.00**	**0.45**	**0.00**	**21.50**

Notes:
1.) List of all monitoring wells containing absorbent socks in the Barrier Well System area.
2.) See Table 6 for absorbent sock c
3.) Began noting absorbent sock % of LNAPL saturation (if less than 100%).
4.) Quarterly groundwater monitoring - all socks changed out.
5.) According to the manufacturer, 12 ounces of the polymer contained in the absorbent socks absorbs approximately a half-gallon of hydrocarbon.
The monitoring well socks used contain approximately six to eight ounces of polymer each. Therefore, on average, each monitoring well socks contains:
0.3 gallons hydrocarbons
6.) Socks removed prior to semi-annual groundwater sampling, however, no record of percent of LNAPL saturation. Socks reinstalled in April during O&M.
7.) NA - Not Applicable - Sock removed.

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Table 8. AOI 51 Groundwater Recovery Sytem Effluent Water Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

	Total Toxic Organics (TTO)
SampleDate	Volatiles
10/2/2007	ND
11/16/2007	ND
12/12/2007	ND
1/8/2008	0.0114
2/8/2008	ND
3/4/2008	ND
4/3/2008	ND
5/16/2008	ND
6/3/2008	ND
7/1/2008	NAN[#]
8/12/2008	ND
8/21/2008	ND
9/3/2008	ND
10/1/2008	ND
11/3/2008	0.098
12/1/2008	ND
1/9/2009	ND
2/11/2009	ND
3/24/2009	ND
4/3/2009	ND
4/16/2009	0.0195
5/6/2009	ND
6/16/2009	ND
7/23/2009	ND
8/6/2009	ND
8/25/2009	0.0498
9/15/2009	ND
10/1/2009	ND
11/13/2009	0.0069
12/30/2009	ND
1/11/2010	ND
2/26/2010	ND
3/4/2010	ND
4/14/2010	ND
5/6/2010	ND
6/2/2010	ND
7/6/2010	ND
8/10/2010	ND
9/3/2010	ND
10/1/2010	ND
11/1/2010	ND
12/16/2010	ND
Discharge Limits*	**1.0**

Notes:
All sample results are reported in milligrams per liter (mg/L) or parts per million (ppm)
ND - Constituent not detected above laboratory detection limit
NAN - Sample was not analyzed
NAN[#] - Due to miscommunication, a sample from Outfall 004 was not collected and analyzed in July 2008. After communicating this to POTW, Town of Speedway requested collection and analysis of two (2) samples in August 2008.

* - TTO permit limit based on combined TTO Volatiles
Discharge limits set forth in: Industrial Waste Discharge Permit No. 2007-03 issued to Environmental Corporate Remediation Company, Inc (ENCORE), effective October 01, 2007 through September 30, 2009, and Permit No. 2009-3 issued to General Motors, LLC

Water discharged since October 01, 2009 was performed under Industrial Waste Discharge Permit No. 2009-03 issued to General Motors, LLC.
Water discharged between October 01, 2007 and September 30, 2009 was performed under Industrial Waste Discharge Permit No. 2007-03 issued to ENCORE.
Water discharged prior to October 01, 2007 was performed under Industrial Waste Discharge Permit No. 2003-01 issued to General Motors Powertrain - Allison Tranmission.

Table 9. Plant 12 Groundwater Recovery System Effluent Water Volume
Discharged to the Town of Speedway Sanitary Sewer System. Interim Measures
Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010),
Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)	Total Discharge (gal)
September-07	75,615	75,615
October-07	601,623	677,238
November-07	638,389	1,315,627
December-07	345,039	1,660,666
January-08	737,449	2,398,115
February-08	837,594	3,235,709
March-08	981,791	4,217,500
April-08	619,681	4,837,181
May-08	739,298	5,576,478
June-08	672,426	6,248,905
July-08	611,205	6,860,110
August-08	718,930	7,579,040
September-08	460,259	8,039,299
October-08	235,153	8,274,452
November-08	127,124	8,401,576
December-08	374,231	8,642,203
January-09	504,653	9,146,856
February-09	529,744	9,676,600
March-09	343,951	10,020,551
April-09	1,098,682	11,119,233
May-09	571,106	11,690,339
June-09	667,825	12,358,164
July-09	568,184	12,926,348
August-09	816,846	13,743,194
September-09	819,163	14,562,357
October-09	887,927	15,450,284
November-09	1,101,688	16,551,972
December-09	502,950	17,054,922
January-10	574,096	17,629,018
February-10	774,697	18,403,715
March-10	956,490	19,360,205
April-10	809,851	20,170,056
May-10	735,264	20,905,320
June-10	807,527	21,712,847
July-10	805,632	22,518,479
August-10	1,152,629	23,671,108
September-10	909,000	24,580,108
October-10	488,910	25,069,018
November-10	403,312	25,472,330
December-10	196,332	25,668,662

NOTES:
1) Discharge of the pre-treated effluent water has been approved by the Town of Speedway through Industrial Waste Discharge Permits Number 2007-3 and 2009-3. Permit 2007-3, issued to ENCORE, was approved on September 24, 2007, and was effective October 1, 2007 through September 30, 2009. Permit 2009-3, issued to General Motors, LLC, became effective October 1, 2009. Prior to October 2007, the discharge was permitted through the Town of Speedway Industrial Waste Discharge Permit Number 2003-1.

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Table 10. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

		Volatile Organic Compound (VOC) mg/l										
Recovery Well	Sample Date	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Benzene
RW-0604-S3	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	0.002	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	0.001	< 0.005	0.001	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
RW-0604-S2B	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	0.003	< 0.005	< 0.005	< 0.005	< 0.005	0.002	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	0.001	< 0.005	0.001	< 0.005	< 0.005	0.003	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0022	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.001	< 0.005	< 0.005	< 0.002	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0034	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/16/2009	< 0.005	< 0.005	0.0041	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.003	< 0.005
	6/8/2010	< 0.005	< 0.005	0.0109	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0031	< 0.005
RW-0603-S3	1/25/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
RW-0501-S3	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	2/10/2009	0.001	< 0.005	0.002	< 0.005	< 0.005	< 0.005	269	< 0.005	0.007	< 0.002	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0008	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0032	< 0.005	< 0.005	< 0.002	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
RW-0501-S2B	12/12/2007	< 0.005	0.011	0.009	< 0.005	< 0.005	< 0.005	0.001	< 0.005	< 0.005	0.006	< 0.005
	3/4/2008	< 0.005	0.010	0.046	< 0.005	< 0.005	< 0.005	0.045	< 0.005	0.006	0.083	< 0.005
	6/3/2008	< 0.005	0.020	0.088	< 0.005	< 0.005	< 0.005	0.926	< 0.005	0.100	0.050	< 0.005
	8/11/2008	< 0.005	0.014	0.064	< 0.005	< 0.005	< 0.005	1.020	< 0.005	0.102	0.035	< 0.005
	11/3/2008	< 0.005	0.012	0.028	< 0.005	< 0.005	< 0.005	0.437	< 0.005	0.038	0.022	< 0.005
	2/10/2009	< 0.005	0.003	0.035	< 0.005	< 0.005	< 0.005	0.222	< 0.005	0.040	0.012	< 0.005
	6/16/2009	< 0.005	0.0215	0.0926	0.0024	< 0.005	< 0.005	1.160	< 0.005	0.0987	0.0342	< 0.005
	8/11/2009	< 0.005	0.0156	0.0792	< 0.005	< 0.005	< 0.005	1.320	< 0.005	0.150	0.0370	< 0.005
	11/16/2009	< 0.005	0.0151	0.0812	< 0.005	< 0.005	< 0.005	1.420	< 0.005	0.159	0.0322	< 0.005
	6/8/2010	< 0.005	0.0135	0.0981	< 0.005	< 0.005	< 0.005	0.6220	< 0.005	0.1240	0.0366	< 0.005
RW-0602-S3	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	0.012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	0.006
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	0.004	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	0.0015
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0044	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0021	< 0.005	< 0.005	< 0.002	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
RW-0602-S2A/S2B	12/12/2007	0.003	< 0.005	0.008	< 0.005	< 0.005	0.008	< 0.005	< 0.005	< 0.005	0.002	< 0.005
	3/4/2008	< 0.005	< 0.005	0.004	< 0.005	< 0.005	< 0.005	0.0104	< 0.005	< 0.005	< 0.002	< 0.005
	6/3/2008	< 0.005	< 0.005	0.002	< 0.005	0.003	< 0.005	0.0081	< 0.005	< 0.005	0.002	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	2/10/2009	< 0.005	< 0.005	0.001	< 0.005	0.001	< 0.005	0.002	< 0.005	< 0.005	< 0.002	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.141	< 0.005	0.0025	< 0.002	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	11/16/2009	< 0.005	< 0.005	0.0143	< 0.005	< 0.005	< 0.005	2.030	< 0.005	0.0473	< 0.002	< 0.005
	6/8/2010	< 0.005	< 0.005	0.0453	< 0.005	< 0.005	< 0.005	0.0375	< 0.005	0.0031	< 0.002	< 0.005
RW-0502-S2B	12/12/2007	0.0165	< 0.005	0.023	0.003	< 0.005	0.005	< 0.005	0.005	< 0.005	0.0023	< 0.005
	3/4/2008	0.0163	< 0.005	0.022	0.004	< 0.005	< 0.005	< 0.005	0.009	< 0.005	< 0.002	< 0.005
	6/3/2008	0.0197	< 0.005	0.027	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	0.0037	< 0.005
	8/11/2008	0.0141	< 0.005	0.021	< 0.005	< 0.005	< 0.005	< 0.005	0.008	< 0.005	0.0033	< 0.005

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Table 10. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010), Allison Transmission, Inc., Speedway, Indiana.

		Volatile Organic Compound (VOC) mg/l										
Recovery Well	Sample Date	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Benzene
	11/3/2008	0.0124	< 0.005	0.018	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0032	< 0.005
	2/10/2009	0.0104	< 0.005	0.016	0.002	< 0.005	< 0.005	< 0.005	0.004	< 0.005	0.0007	< 0.005
	6/16/2009	0.0119	< 0.005	0.0179	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005
	8/11/2009	0.0108	< 0.005	0.0165	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0029	< 0.005
	11/16/2009	0.0118	< 0.005	0.0168	0.0017	< 0.005	< 0.005	< 0.005	0.0039	< 0.005	0.0028	< 0.005
	6/8/2010	0.0094	< 0.005	0.0161	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0051	< 0.005
RW-0201-S2A	12/12/2007	< 0.500	< 0.500	0.578	< 0.500	< 0.500	0.824	64.4	< 0.500	0.429	< 0.200	< 0.500
	3/4/2008	< 0.500	< 0.500	1.180	< 0.500	< 0.500	< 0.500	92.5	< 0.500	0.613	< 0.200	< 0.500
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.875	87.1	< 0.500	< 0.500	< 0.200	< 0.500
	8/11/2008	< 0.250	0.0144	0.0759	< 0.250	< 0.250	< 0.250	165	< 0.250	1.190	0.0041	< 0.250
	11/3/2008	< 0.250	< 0.250	29.4000	< 0.250	< 0.250	< 0.250	5.14	< 0.250	1.170	< 0.100	< 0.250
	2/10/2009	< 0.250	< 0.250	0.0961	< 0.250	< 0.250	< 0.250	74.3	< 0.250	0.990	< 0.100	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	42.3	< 0.500	0.761	< 0.200	< 0.500
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	67.2	< 0.250	1.150	< 0.100	< 0.250
	11/16/2009	< 0.500	< 0.500	0.307	< 0.500	< 0.500	< 0.500	61.4	< 0.500	0.516	< 0.200	< 0.500
	6/8/2010	< 0.005	< 0.005	0.1660	< 0.005	< 0.005	< 0.005	24.9	< 0.005	0.7480	0.0091	< 0.005
RW-0202-S2A	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	164	< 0.500	0.330	< 0.200	< 0.500
	3/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.85	165	< 0.500	0.931	< 0.200	< 0.500
	8/11/2008	< 0.250	0.0113	0.0599	< 0.250	< 0.250	< 0.250	152	< 0.250	1.140	0.0032	< 0.250
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	129	< 0.250	1.080	< 0.100	< 0.250
	2/10/2009	< 0.250	< 0.250	0.049	< 0.250	< 0.250	< 0.250	116	< 0.250	1.180	< 0.100	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	120	< 0.500	0.926	< 0.200	< 0.500
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	72	< 0.250	1.150	< 0.100	< 0.250
	11/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	83.9	< 0.500	0.799	< 0.200	< 0.500
	6/8/2010	< 0.005	< 0.005	0.264	< 0.005	< 0.005	< 0.005	27.7	< 0.005	0.811	< 0.200	< 0.005
RW-0203-S2A	12/12/2007	< 0.500	< 0.500	0.226	< 0.500	< 0.500	< 0.500	86.1	< 0.500	1.210	< 0.200	< 0.500
	3/4/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	73.8	< 0.500	0.994	< 0.200	< 0.500
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.040	51.6	< 0.500	0.851	< 0.200	< 0.500
	8/11/2008	< 0.250	0.0142	0.114	< 0.250	< 0.250	< 0.250	155	< 0.250	< 0.005	0.0043	< 0.250
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	62.0	< 0.250	1.640	< 0.100	< 0.250
	2/10/2009	< 0.250	< 0.250	0.039	< 0.250	< 0.250	< 0.250	28.3	< 0.250	0.663	< 0.100	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	77.8	< 0.500	1.030	< 0.200	< 0.500
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	31.3	< 0.250	0.752	< 0.100	< 0.250
	11/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	39.6	< 0.500	0.672	< 0.200	< 0.500
	6/8/2010	< 0.005	< 0.005	1.510	< 0.005	< 0.005	< 0.005	10.8	< 0.005	0.657	0.0093	< 0.005
RW-0204-S2A/ RW-0205-S2A	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.564	61.1	< 0.500	0.740	< 0.200	< 0.500
	3/4/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	42.5	< 0.500	0.918	< 0.200	< 0.500
	6/3/2008	< 0.500	< 0.500	0.120	< 0.500	< 0.500	1.010	40.6	< 0.500	1.350	< 0.200	< 0.500
	8/11/2008	< 0.250	0.0154	1.620	0.0091	< 0.250	< 0.250	73.2	< 0.250	4.450	0.0098	< 0.250
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	98.2	< 0.250	1.600	< 0.100	< 0.250
	2/10/2009	< 0.250	< 0.250	0.101	< 0.250	< 0.250	< 0.250	30.4	< 0.250	1.370	< 0.100	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	73.9	< 0.500	< 0.500	< 0.200	< 0.500
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	35.3	< 0.250	1.710	< 0.100	< 0.250
	11/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	56.1	< 0.500	1.470	< 0.200	< 0.500
	6/8/2010	< 0.005	< 0.005	0.145	< 0.005	< 0.005	< 0.005	21.9	< 0.005	0.876	0.0113	< 0.005
RW-0605-S3	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	87.4	< 0.500	0.473	< 0.200	< 0.500
	3/4/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	39.8	< 0.500	0.338	< 0.200	< 0.500
	6/3/2008	< 0.500	< 0.500	0.269	< 0.500	< 0.500	0.965	97.8	< 0.500	0.690	< 0.200	< 0.500
	8/11/2008	< 0.250	< 0.250	0.0208	< 0.250	< 0.250	< 0.250	75.0	< 0.250	0.285	< 0.100	< 0.250
	11/3/2008	< 0.250	< 0.250	0.6960	< 0.250	< 0.250	< 0.250	55.5	< 0.250	0.817	< 0.100	< 0.250
	2/10/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	64.7	< 0.250	0.263	< 0.100	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	52.2	< 0.500	1.790	< 0.200	< 0.500
	8/11/2009	<0.005	<0.005	0.033	<0.005	<0.005	<0.005	27.5	<0.005	0.142	< 0.002	<0.005
	11/16/2009	< 0.500	< 0.500	6.980	< 0.500	< 0.500	< 0.500	43.8	< 0.500	12.2	< 0.200	< 0.500
	6/8/2010	< 0.005	< 0.005	0.290	< 0.005	< 0.005	< 0.005	21.7	< 0.005	< 0.250	< 0.002	< 0.005

NOTES:

1.) Analytical data presented in milligrams per liter (mg/l)

NS - Not Sampled

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Table 11. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
System Startup	10/30/03 16:00																
10/30/03 to 11/1/03	11/1/03 0:00	32.00	730	7.07	226.3695	0.0002	0.0049	0.0012	0.0379	0.0126	0.4023	N/A	N/A	N/A	N/A	0.0042	0.1359
			October Monthly Discharge Total (pounds)		**226.3695**		**0.0049**		**0.0379**		**0.4023**		**0.0000**		**0.0000**		**0.1359**
11/1/03 to 11/3/03	11/3/03 13:30	61.50	730	7.07	435.0540	0.0002	0.0095	0.0012	0.0728	0.0126	0.7732	N/A	N/A	N/A	N/A	0.0042	0.2612
11/3/03 to 11/11/03	11/7/03 9:00	188.75	860	4.50	850.2739	0.0000	0.0000	0.0011	0.1989	0.0095	1.7852	N/A	N/A	N/A	N/A	0.0049	0.9194
11/11/03 to 11/20/03	11/11/03 10:15	220.25	815	0.94	206.8567	0.0000	0.0000	0.0001	0.0237	0.0013	0.2794	N/A	N/A	N/A	N/A	0.0007	0.1511
11/20/03 to 12/01/03	11/20/03 14:30	249.50	830	0.03	8.1355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	N/A	N/A	N/A	0.0000	0.0000
			November Monthly Discharge Total (pounds)		**1500.3201**		**0.0095**		**0.2954**		**2.8378**		**0.0000**		**0.0000**		**1.3317**
12/01/03 to 12/05/03	12/1/03 16:00	208.00	900	0.18	38.2423	0.0000	0.0000	0.0000	0.0000	0.0002	0.0315	N/A	N/A	N/A	N/A	0.0000	0.0000
12/5/03 to 01/01/04	12/5/03 16:00	536.00	900	0.52	277.9543	0.0000	0.0000	0.0001	0.0746	0.0017	0.9209	N/A	N/A	N/A	N/A	0.0010	0.5096
			December Monthly Discharge Total (pounds)		**316.1966**		**0.0000**		**0.0746**		**0.9524**		**0.0000**		**0.0000**		**0.5096**
01/01/04 to 01/05/04	1/5/04 16:00	112.00	900	0.52	58.0800	0.0000	0.0000	0.0001	0.0156	0.0017	0.1924	N/A	N/A	N/A	N/A	0.0010	0.1065
01/05/04 to 01/20/04	1/20/04 16:00	357.00	830	0.43	155.2100	0.0000	0.0000	0.0001	0.0363	0.0021	0.7378	N/A	N/A	N/A	N/A	0.0007	0.2676
01/20/04 to 2/1/04	2/1/04 0:00	275.00	760	1.35	372.2191	0.000	0.000	0.000	0.118	0.000	0.000	N/A	N/A	N/A	N/A	0.001	0.384
			January (2004) Monthly Discharge Total (pounds)		**585.5091**		**0.0000**		**0.1701**		**0.9303**		**0.0000**		**0.0000**		**0.7580**
02/01/04 to 2/2/04	2/2/04 16:00	40.00	760	1.35	54.1410	0.0000	0.0000	0.0004	0.0172	0.0000	0.0000	N/A	N/A	N/A	N/A	0.0014	0.0558
02/02/04 to 02/04/04	2/4/04 15:30	47.25	790	1.78	84.0758	0.0000	0.0000	0.0004	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.1829
02/04/04 to 3/1/04	2/9/04 16:15	608.75	790	1.86	1133.5796	0.0000	0.0000	0.0003	0.1995	0.0000	0.0000	N/A	N/A	N/A	N/A	0.0000	0.0000
			February (2004) Monthly Discharge Total (pounds)		**1271.7963**		**0.0000**		**0.2364**		**0.0000**		**0.0000**		**0.0000**		**0.2387**
03/01/04 to 3/04/04	3/1/04 0:00	86.00	790	1.86	160.1443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
3/04/04 to 3/18/04	3/4/04 8:00	337.00	800	3.56	1200.3620	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
3/18/04 to 4/1/04	3/18/04 15:30	304.00	800	0.65	197.4553	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
			March (2004) Monthly Discharge Total (pounds)		**1557.9616**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**
4/1/04 to 4/30/04	4/2/04 16:30	317.83	930	2.68	851.5664	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			April (2004) Monthly Discharge Total (pounds)		**851.5664**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**
5/1/04 to 5/4/04	5/1/04 0:00	79.92	930	2.68	214.1196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5/5/04 to 6/1/04	6/1/04 0:00	384.50	715	1.20	460.8141	0.0000	0.0000	0.0000	0.0000	0.0052	1.9966	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			May (2004) Monthly Discharge Total (pounds)		**674.9338**		**0.0000**		**0.0000**		**1.9966**		**0.0000**		**0.0000**		**0.0000**
6/1/04 to 7/1/04	6/3/04 12:15	638.00	720	2.26	1443.7030	0.0000	0.0000	0.0000	0.0000	0.0078	4.9566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			June (2004) Monthly Discharge Total (pounds)		**1443.7030**		**0.0000**		**0.0000**		**4.9566**		**0.0000**		**0.0000**		**0.0000**
7/1/04 to 8/1/04	7/7/04 12:20	464.75	795	1.33	619.3130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			July (2004) Monthly Discharge Total (pounds)		**619.3130**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**
8/1/04 to 8/3/04	8/3/04 16:15	64.25	795	1.33	85.6174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8/3/04 to 9/1/04	9/1/04 0:00	659.00	875	2.15	1419.5960	0.0000	0.0000	0.0000	0.0000	0.0071	4.6664	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			August (2004) Monthly Discharge Total (pounds)		**1505.2133**		**0.0000**		**0.0000**		**4.6664**		**0.0000**		**0.0000**		**0.0000**
9/1/04 to 9/7/04	9/7/04 11:00	150.00	875	2.15	323.1250	0.0000	0.0000	0.0000	0.0000	0.0071	1.0622	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9/7/04 to 10/1/04	10/1/04 0:00	506.25	780	1.14	579.1501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			September (2004) Monthly Discharge Total (pounds)		**902.2751**		**0.0000**		**0.0000**		**1.0622**		**0.0000**		**0.0000**		**0.0000**
10/1/04 to 10/4/04	10/4/04 15:00	87.75	780	1.14	100.3860	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10/4/04 to 10/18/04	10/18/04 15:30	336.50	825	0.99	334.4570	0.0000	0.0000	0.0000	0.0000	0.0048	1.6129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10/18/04 to 11/1/04	11/1/04 0:00	239.92	880	1.84	442.3607	0.0000	0.0000	0.0000	0.0000	0.0048	1.1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			October (2004) Monthly Discharge Total (pounds)		**877.2037**		**0.0000**		**0.0000**		**2.7629**		**0.0000**		**0.0000**		**0.0000**
11/1/04 to 11/2/04	11/2/04 12:00	35.58	880	1.84	65.6089	0.0000	0.0000	0.0000	0.0000	0.0048	0.1706	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11/2/04 to 11/30/04	12/1/04 0:00	681.50	880	2.12	1445.0398	0.0000	0.0000	0.0000	0.0000	0.0093	6.3466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			November (2004) Monthly Discharge Total (pounds)		**1510.6487**		**0.0000**		**0.0000**		**6.5172**		**0.0000**		**0.0000**		**0.0000**
12/1/04 to 12/1/04	12/1/04 17:45	17.50	880	2.12	37.1067	0.0000	0.0000	0.0000	0.0000	0.0093	0.1630	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/1/04 to 12/10/04	12/10/04 14:50	212.00	855	1.32	280.0899	0.0000	0.0000	0.0000	0.0000	0.0053	1.1284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/10/04 to 1/1/05	1/1/05 0:00	513.17	835	0.74	381.5639	0.0000	0.0000	0.0000	0.0000	0.0029	1.5115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			December (2004) Monthly Discharge Total (pounds)		**698.7605**		**0.0000**		**0.0000**		**2.8029**		**0.0000**		**0.0000**		**0.0000**
1/1/05 to 1/3/05	1/3/05 14:00	62.00	835	0.74	46.1000	0.0000	0.0000	0.0000	0.0000	0.0029	0.1826	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1/3/05 to 2/1/05	2/1/05 0:00	552.83	880	1.52	840.9386	0.0000	0.0000	0.0000	0.0000	0.0053	2.9275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			January (2005) Monthly Discharge Total (pounds)		**887.0385**		**0.0000**		**0.0000**		**3.1101**		**0.0000**		**0.0000**		**0.0000**
2/1/05 to 2/1/05	2/1/05 10:00	10.00	880	1.52	15.2114	0.0000	0.0000	0.0000	0.0000	0.0053	0.0530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2/13/05 to 3/1/05	3/1/05 0:00	654.00	925	1.79	1172.4508	0.0000	0.0000	0.0000	0.0000	0.0069	4.5190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			February (2005) Monthly Discharge Total (pounds)		**1187.6623**		**0.0000**		**0.0000**		**4.5720**		**0.0000**		**0.0000**		**0.0000**
3/1/05 to 3/1/05	3/1/05 16:00	16.00	925	1.79	28.6838	0.0000	0.0000	0.0000	0.0000	0.0069	0.1106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3/1/05 to 4/1/05	4/1/05 0:00	727.50	970	1.55	1127.3999	0.0000	0.0000	0.0000	0.0000	0.0044	3.2214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			March (2005) Monthly Discharge Total (pounds)		**1156.0838**		**0.0000**		**0.0000**		**3.3320**		**0.0000**		**0.0000**		**0.0000**

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Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
4/1/05 to 4/5/05	4/1/05 0:00	112.50	970	1.55	174.3402	0.0000	0.0000	0.0000	0.0000	0.0044	0.4982	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4/5/05 to 5/1/05	5/1/05 0:00	608.00	940	0.84	508.9250	0.0000	0.0000	0.0000	0.0000	0.0031	1.8975	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		April (2005) Monthly Discharge Total (pounds)			**683.2652**		**0.0000**		**0.0000**		**2.3956**		**0.0000**		**0.0000**		**0.0000**
5/1/05 to 5/4/05	5/4/05 14:00	694.00	940	0.84	580.9111	0.0000	0.0000	0.0000	0.0000	0.0031	2.1659	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5/4/05 to 5/24/05	5/24/05 16:20	482.00	950	0.72	347.7860	0.0000	0.0000	0.0000	0.0000	0.0030	1.4252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5/24/05 to 6/1/05	6/1/05 0:00	175.00	930	0.68	119.3500	0.0000	0.0000	0.0000	0.0000	0.0042	0.7430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		May (2005) Monthly Discharge Total (pounds)			**1048.0471**		**0.0000**		**0.0000**		**4.3341**		**0.0000**		**0.0000**		**0.0000**
6/1/05 to 6/8/05	6/8/05 7:00	175.00	930	0.68	119.3500	0.0000	0.0000	0.0000	0.0000	0.0042	0.7430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/8/05 to 7/1/05	7/1/05 0:00	545.00	960	0.58	315.1658	0.0000	0.0000	0.0000	0.0000	0.0024	1.3028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		June (2005) Monthly Discharge Total (pounds)			**434.5158**		**0.0000**		**0.0000**		**2.0457**		**0.0000**		**0.0000**		**0.0000**
7/1/05 to 7/7/05	7/7/05 12:00	132.00	960	0.58	76.3337	0.0000	0.0000	0.0000	0.0000	0.0024	0.3155	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7/7/05 to 7/11/05	7/11/05 14:45	99.00	975	0.59	58.1448	0.0000	0.0000	0.0000**	0.0000**	0.0032	0.3205	0.0000**	0.0000**	0.0000**	0.0000**	0.0012	0.1226
7/11/05 to 8/1/05	8/1/05 0:00	501.00	935	0.61	306.7134	0.0000	0.0000	0.0000	0.0000	0.0029	1.4580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		July (2005) Monthly Discharge Total (pounds)			**441.1920**		**0.0000**		**0.0000**		**2.0940**		**0.0000**		**0.0000**		**0.1226**
8/1/05 to 8/2/05	8/2/05 11:30	24.00	935	0.61	14.6929	0.0000	0.0000	0.0000	0.0000	0.0029	0.0698	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8/2/05 to 9/1/05	9/1/05 0:00	457.00	985	0.59	271.1588	0.0000	0.0000	0.0000	0.0000	0.0033	1.4945	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		August (2005) Monthly Discharge Total (pounds)			**285.8517**		**0.0000**		**0.0000**		**1.5643**		**0.0000**		**0.0000**		**0.0000**
9/1/05 to 9/8/05	9/8/05 11:15	166.00	985	0.59	98.4953	0.0000	0.0000	0.0000	0.0000	0.0033	0.5429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9/8/05 to 10/1/05	10/1/05 0:00	527.00	985	0.70	367.0744	0.0000	0.0000	0.0000	0.0000	0.0035	1.8311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		September (2005) Monthly Discharge Total (pounds)			**465.5697**		**0.0000**		**0.0000**		**2.3740**		**0.0000**		**0.0000**		**0.0000**
10/1/05 to 10/5/05	10/5/05 13:00	124.00	985	0.70	86.3704	0.0000	0.0000	0.0000	0.0000	0.0035	0.4309	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10/5/05 to 10/7/05 ***	10/7/05 9:28	44.00	995	0.42	18.3459	0.0000	0.0000	0.0000	0.0000	0.0019	0.0845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		October (2005) Monthly Discharge Total (pounds)			**104.7163**		**0.0000**		**0.0000**		**0.5153**		**0.0000**		**0.0000**		**0.0000**
11/3/05 to 11/4/05	11/4/05 16:00	30.00	995	0.42	12.5086	0.0000	0.0000	0.0000	0.0000	0.0019	0.0576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11/4/05 to 12/1/05	12/1/05 0:00	733.00	995	0.81	592.8225	0.0000	0.0000	0.0000	0.0000	0.0038	2.7887	0.0000	0.0000	0.0000	0.0000	0.0015	1.0828
		November (2005) Monthly Discharge Total (pounds)			**605.3311**		**0.0000**		**0.0000**		**2.8463**		**0.0000**		**0.0000**		**1.0828**
12/1/05 to 12/13/05	12/13/05 13:40	197.00	995	0.81	159.3261	0.0000	0.0000	0.0000	0.0000	0.0038	0.7495	0.0000	0.0000	0.0000	0.0000	0.0015	0.2910
12/13/05 to 1/1/06	1/1/06 0:00	442.00	965	0.30	134.0523	0.0000	0.0000	0.0000	0.0000	0.0018	0.8054	0.0000	0.0000	0.0000	0.0000	0.0008	0.3395
		December (2005) Monthly Discharge Total (pounds)			**293.3784**		**0.0000**		**0.0000**		**1.5549**		**0.0000**		**0.0000**		**0.6306**
1/1/06 to 1/12/06	1/12/06 13:30	277.00	965	0.30	84.0102	0.0000	0.0000	0.0000	0.0000	0.0018	0.5047	0.0000	0.0000	0.0000	0.0000	0.0008	0.2128
1/12/06 to 2/1/06	2/1/06 0:00	417.00	975	0.33	138.4291	0.0000	0.0000	0.0000	0.0000	0.0020	0.8183	0.0000	0.0000	0.0000	0.0000	0.0010	0.4232
		January (2006) Monthly Discharge Total (pounds)			**222.4393**		**0.0000**		**0.0000**		**1.3231**		**0.0000**		**0.0000**		**0.6360**
2/1/06 to 2/8/06	2/8/06 9:00	177.00	975	0.33	58.7577	0.0000	0.0000	0.0000	0.0000	0.0020	0.3474	0.0000	0.0000	0.0000	0.0000	0.0010	0.1796
2/8/06 to 3/1/06	3/1/06 0:00	519.00	980	0.33	173.1730	0.0000	0.0000	0.0000	0.0000	0.0020	1.0343	0.0000	0.0000	0.0000	0.0000	0.0008	0.3893
		February (2006) Monthly Discharge Total (pounds)			**231.9307**		**0.0000**		**0.0000**		**1.3816**		**0.0000**		**0.0000**		**0.5690**
3/1/06 to 3/2/06	3/2/06 18:05	16.00	980	0.33	5.3387	0.0000	0.0000	0.0000	0.0000	0.0020	0.0319	0.0000	0.0000	0.0000	0.0000	0.0008	0.0120
3/2/06 to 4/1/06	4/1/06 0:00	622.00	850	0.24	152.3160	0.0000	0.0000	0.0000	0.0000	0.0015	0.9215	0.0000	0.0000	0.0000	0.0000	0.0007	0.4209
		March (2006) Monthly Discharge Total (pounds)			**157.6546**		**0.0000**		**0.0000**		**0.9534**		**0.0000**		**0.0000**		**0.4329**
4/1/06 to 4/6/06	4/6/06 13:10	134.00	850	0.24	32.8141	0.0000	0.0000	0.0000	0.0000	0.0015	0.1985	0.0000	0.0000	0.0000	0.0000	0.0007	0.0907
4/6/06 to 5/1/06	5/1/06 0:00	587.00	840	0.26	154.9680	0.0000	0.0000	0.0000	0.0000	0.0017	0.9822	0.0000	0.0000	0.0000	0.0000	0.0010	0.5661
		April (2006) Monthly Discharge Total (pounds)			**187.7821**		**0.0000**		**0.0000**		**1.1808**		**0.0000**		**0.0000**		**0.6568**
5/1/06 to 5/10/06	5/10/06 13:50	210.00	840	0.26	55.4400	0.0000	0.0000	0.0000	0.0000	0.0017	0.3514	0.0000	0.0000	0.0000	0.0000	0.0010	0.2025
5/10/06 to 6/1/06	6/1/06 0:00	490.00	810	0.28	135.1350	0.0000	0.0000	0.0000	0.0000	0.0016	0.7906	0.0000	0.0000	0.0000	0.0000	0.0007	0.3281
		May (2006) Monthly Discharge Total (pounds)			**190.5750**		**0.0000**		**0.0000**		**1.1420**		**0.0000**		**0.0000**		**0.5306**
6/1/06 to 6/13/06	6/13/06 9:20	340.00	810	0.28	93.7672	0.0000	0.0000	0.0000	0.0000	0.0016	0.5486	0.0000	0.0000	0.0000	0.0000	0.0007	0.2277
6/13/06 to 7/1/06	7/1/06 0:00	365.00	850	0.24	89.3816	0.0000	0.0000	0.0000	0.0000	0.0014	0.5150	0.0000	0.0000	0.0000	0.0000	0.0007	0.2375
		June (2006) Monthly Discharge Total (pounds)			**183.1487**		**0.0000**		**0.0000**		**1.0636**		**0.0000**		**0.0000**		**0.4651**
7/1/06 to 7/13/06	7/13/06 15:10	360.00	850	0.24	88.1572	0.0000	0.0000	0.0000	0.0000	0.0014	0.5080	0.0000	0.0000	0.0000	0.0000	0.0007	0.2342
7/13/06 to 8/1/06	8/1/06 0:00	328.00	860	0.23	73.8781	0.0000	0.0000	0.0000	0.0000	0.0017	0.5444	0.0000	0.0000	0.0000	0.0000	0.0008	0.2634
		July (2006) Monthly Discharge Total (pounds)			**162.0353**		**0.0000**		**0.0000**		**1.0523**		**0.0000**		**0.0000**		**0.4976**
8/1/06 to 8/2/06	8/2/06 15:15	24.00	860	0.23	5.4057	0.0000	0.0000	0.0000	0.0000	0.0017	0.0398	0.0000	0.0000	0.0000	0.0000	0.0008	0.0193
8/2/06 to 9/1/06	9/1/06 0:00	704.00	1030	0.35	246.8861	0.0000	0.0000	0.0000	0.0000	0.0020	1.4144	0.0000	0.0000	0.0000	0.0000	0.0009	0.6438
		August (2006) Monthly Discharge Total (pounds)			**252.2918**		**0.0000**		**0.0000**		**1.4542**		**0.0000**		**0.0000**		**0.6631**
9/1/06 to 9/7/06	9/7/06 14:20	158.00	1030	0.35	55.4091	0.0000	0.0000	0.0000	0.0000	0.0020	0.3174	0.0000	0.0000	0.0000	0.0000	0.0009	0.1445
9/7/06 to 10/1/06	10/1/06 0:00	562.00	850	0.22	125.1119	0.0000	0.0000	0.0000	0.0000	0.0015	0.8624	0.0000	0.0000	0.0000	0.0000	0.0008	0.4534
		September (2006) Monthly Discharge Total (pounds)			**180.5210**		**0.0000**		**0.0000**		**1.1798**		**0.0000**		**0.0000**		**0.5979**
10/1/06 to 10/10/06	10/10/06 10:00	226.00	850	0.22	50.3119	0.0000	0.0000	0.0000	0.0000	0.0015	0.3468	0.0000	0.0000	0.0000	0.0000	0.0008	0.1823
10/10/06 to 11/1/06	11/1/06 0:00	518.00	760	0.14	70.1125	0.0000	0.0000	0.0000	0.0000	0.0011	0.5882	0.0000	0.0000	0.0000	0.0000	0.0006	0.3013
		October (2006) Monthly Discharge Total (pounds)			**120.4245**		**0.0000**		**0.0000**		**0.9350**		**0.0000**		**0.0000**		**0.4837**
11/1/06 to 11/15/06	11/15/06 14:50	326.00	760	0.14	44.1249	0.0000	0.0000	0.0000	0.0000	0.0011	0.3702	0.0000	0.0000	0.0000	0.0000	0.0006	0.1896

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Table 11. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
11/15/06 to 12/1/06	12/1/06 0:00	348.00	1010	0.23	81.0078	0.0000	0.0000	0.0000	0.0000	0.0014	0.5032	0.0000	0.0000	0.0000	0.0000	0.0008	0.2690
		November (2006) Monthly Discharge Total (pounds)			**125.1327**		**0.0000**		**0.0000**		**0.8734**		**0.0000**		**0.0000**		**0.4587**
12/1/06 to 12/5/06	12/5/06 9:15	121.00	1010	0.23	28.1665	0.0000	0.0000	0.0000	0.0000	0.0014	0.1750	0.0000	0.0000	0.0000	0.0000	0.0008	0.0935
12/5/06 to 1/1/07	1/1/07 0:00	601.47	910	0.15	93.1772	0.0000	0.0000	0.0000	0.0000	0.0011	0.6814	0.0000	0.0000	0.0000	0.0000	0.0006	0.3519
		December (2006) Monthly Discharge Total (pounds)			**121.3437**		**0.0000**		**0.0000**		**0.8564**		**0.0000**		**0.0000**		**0.4455**
1/1/07 to 1/11/07	1/11/06 14:45	286.53	910	0.15	44.3888	0.0000	0.0000	0.0000	0.0000	0.0011	0.3246	0.0000	0.0000	0.0000	0.0000	0.0006	0.1676
1/11/07 to 2/1/07	2/1/07 0:00	477.00	990	0.18	87.8123	0.0000	0.0000	0.0000	0.0000	0.0015	0.7055	0.0000	0.0000	0.0000	0.0000	0.0008	0.3904
		January (2007) Monthly Discharge Total (pounds)			**132.2011**		**0.0000**		**0.0000**		**1.0302**		**0.0000**		**0.0000**		**0.5580**
2/1/07 to 2/7/07	2/7/06 11:40	136.00	990	0.18	25.0366	0.0000	0.0000	0.0000	0.0000	0.0015	0.2012	0.0000	0.0000	0.0000	0.0000	0.0008	0.1113
2/7/07 to 3/1/07	3/1/07 0:00	508.00	1000	0.17	87.8114	0.0000	0.0000	0.0000	0.0000	0.0014	0.7063	0.0000	0.0000	0.0000	0.0000	0.0006	0.3111
		February (2007) Monthly Discharge Total (pounds)			**112.8481**		**0.0000**		**0.0000**		**0.9074**		**0.0000**		**0.0000**		**0.4224**
3/1/07 to 3/7/07	3/7/06 16:10	168.00	1000	0.17	29.0400	0.0000	0.0000	0.0000	0.0000	0.0014	0.2336	0.0000	0.0000	0.0000	0.0000	0.0006	0.1029
3/7/07 to 4/1/07	4/1/07 0:00	567.00	990	0.13	73.5075	0.0000	0.0000	0.0000	0.0000	0.0009	0.5358	0.0000	0.0000	0.0000	0.0000	0.0007	0.4125
		March (2007) Monthly Discharge Total (pounds)			**102.5475**		**0.0000**		**0.0000**		**0.7694**		**0.0000**		**0.0000**		**0.5153**
4/1/07 to 4/5/07	4/5/06 13:20	116.00	990	0.13	15.0386	0.0000	0.0000	0.0000	0.0000	0.0009	0.1096	0.0000	0.0000	0.0000	0.0000	0.0007	0.0844
4/5/07 to 5/1/07	5/1/07 0:00	605.00	980	0.14	83.8530	0.0000	0.0000	0.0000	0.0000	0.0012	0.7505	0.0000	0.0000	0.0000	0.0000	0.0007	0.4175
		April (2007) Monthly Discharge Total (pounds)			**98.8916**		**0.0000**		**0.0000**		**0.8601**		**0.0000**		**0.0000**		**0.5019**
5/1/07 to 5/14/07	5/14/07 11:49	339.00	980	0.14	46.9854	0.0000	0.0000	0.0000	0.0000	0.0012	0.4205	0.0000	0.0000	0.0000	0.0000	0.0007	0.2339
5/14/07 to 5/31/07	6/1/07 0:00	405.00	955	0.14	56.7270	0.0000	0.0000	0.0000	0.0000	0.0047	1.8982	0.0000	0.0000	0.0000	0.0000	0.0031	1.2707
		May (2007) Monthly Discharge Total (pounds)			**103.7124**		**0.0000**		**0.0000**		**2.3187**		**0.0000**		**0.0000**		**1.5047**
6/1/07 to 6/5/07	6/5/07 15:30	405.00	955	0.14	56.7270	0.0000	0.0000	0.0000	0.0000	0.0047	1.8982	0.0000	0.0000	0.0000	0.0000	0.0031	1.2707
6/5/07 to 6/30/07	7/1/07 0:00	600.00	935	0.15	89.6264	0.0000	0.0000	0.0000	0.0000	0.0014	0.8381	0.0000	0.0000	0.0000	0.0000	0.0009	0.5496
		June (2007) Monthly Discharge Total (pounds)			**146.3534**		**0.0000**		**0.0000**		**2.7364**		**0.0000**		**0.0000**		**1.8204**
7/1/07 to 7/12/07	7/12/07 15:30	214.00	935	0.15	31.9668	0.0000	0.0000	0.0000	0.0000	0.0014	0.2989	0.0000	0.0000	0.0000	0.0000	0.0009	0.1960
7/12/07 to 7/31/07****	8/1/07 0:00	221.00	800	0.18	39.8221	0.0000	0.0000	0.0000	0.0000	0.0027	0.5870	0.0000	0.0000	0.0000	0.0000	0.0010	0.2138
		July (2007) Monthly Discharge Total (pounds)			**71.7889**		**0.0000**		**0.0000**		**0.8859**		**0.0000**		**0.0000**		**0.4099**
8/1/07 to 8/8/07*****	8/8/07 10:10	95.00	800	0.18	17.1181	0.0000	0.0000	0.0000	0.0000	0.0027	0.2523	0.0000	0.0000	0.0000	0.0000	0.0010	0.0919
8/8/07 to 8/31/07	9/1/07 0:00	438.00	800	0.34	146.8343	0.0000	0.0000	0.0000	0.0000	0.0037	1.5996	0.0000	0.0000	0.0000	0.0000	0.0010	0.4399
		August (2007) Monthly Discharge Total (pounds)			**163.9524**		**0.0000**		**0.0000**		**1.8519**		**0.0000**		**0.0000**		**0.5318**
9/1/07 to 9/17/07	9/17/07 12:15	225.00	800	0.34	75.4286	0.0000	0.0000	0.0000	0.0000	0.0037	0.8217	0.0000	0.0000	0.0000	0.0000	0.0010	0.2260
9/17/07 to 9/30/07	9/1/07 0:00	252.00	935	0.27	67.8810	0.0000	0.0000	0.0000	0.0000	0.0025	0.6356	0.0000	0.0000	0.0000	0.0000	0.0008	0.1912
		September (2007) Monthly Discharge Total (pounds)			**143.3096**		**0.0000**		**0.0000**		**1.4573**		**0.0000**		**0.0000**		**0.4171**
10/1/07 to 10/03/07	10/3/07 10:45	68.00	935	0.27	18.3171	0.0000	0.0000	0.0000	0.0000	0.0086	0.5847	0.0000	0.0000	0.0000	0.0000	0.0008	0.0516
10/03/07 to 10/31/07	10/1/07 0:00	657.00	860	0.22	146.5016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.3979
		October (2007) Monthly Discharge Total (pounds)			**164.8187**		**0.0000**		**0.0000**		**0.5847**		**0.0000**		**0.0000**		**0.4495**
11/1/07 to 11/06/07	11/6/07 10:30	143.00	860	0.22	31.8870	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0866
11/06/07 to 11/30/07	11/30/07 0:00	574.50	950	0.15	85.7647	0.0000	0.0000	0.0000	0.0000	0.0012	0.6795	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		November (2007) SVE Monthly Discharge Total (pounds)			**117.6516**		**0.0000**		**0.0000**		**0.6795**		**0.0000**		**0.0000**		**0.0866**
12/1/07 to 12/13/07	12/13/07 16:45	202.50	950	0.15	30.2304	0.0000	0.0000	0.0000	0.0000	0.0012	0.2395	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/13/07 to 12/31/07	12/31/07 0:00	372.00	950	0.25	92.5572	0.0000	0.0000	0.0000	0.0000	0.0017	0.6306	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		December (2007) SVE Monthly Discharge Total (pounds)			**122.7875**		**0.0000**		**0.0000**		**0.8702**		**0.0000**		**0.0000**		**0.0000**
01/1/08 to 01/08/08	1/8/08 11:00	187.00	950	0.25	46.5274	0.0000	0.0000	0.0000	0.0000	0.0017	0.3170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
01/08/08 to 01/31/08	1/31/08 0:00	554.00	865	0.14	80.3247	0.0000	0.0000	0.0000	0.0000	0.0011	0.6364	0.0000	0.0000	0.0000	0.0000	0.0003	0.1907
		January (2008) SVE Monthly Discharge Total (pounds)			**126.8521**		**0.0000**		**0.0000**		**0.9534**		**0.0000**		**0.0000**		**0.1907**
02/1/08 to 02/12/08	2/12/08 12:15	287	865	0.14	41.6123	0.0000	0.0000	0.0000	0.0000	0.0011	0.3297	0.0000	0.0000	0.0000	0.0000	0.0003	0.0988
02/12/08 to 02/29/2008	2/29/08 0:00	351	867	0.12	40.6481	0.0000	0.0000	0.0000	0.0000	0.0009	0.3094	0.0000	0.0000	0.0000	0.0000	0.0003	0.1071
		February (2008) SVE Monthly Discharge Total (pounds)			**82.2603**		**0.0000**		**0.0000**		**0.6391**		**0.0000**		**0.0000**		**0.2060**
03/1/08 to 03/04/08	3/4/08 10:30	97	867	0.12	11.2332	0.0000	0.0000	0.0000	0.0000	0.0009	0.0855	0.0000	0.0000	0.0000	0.0000	0.0003	0.0296
03/04/08 to 03/31/2008	3/31/08 0:00	674	915	0.02	15.6674	0.0000	0.0000	0.0000	0.0000	0.0004	0.2559	0.0000	0.0000	0.0002	0.1077	0.0001	0.0500
		March (2008) SVE Monthly Discharge Total (pounds)			**26.9006**		**0.0000**		**0.0000**		**0.3414**		**0.0000**		**0.1077**		**0.0796**
04/1/08 to 04/03/08	4/3/08 10:30	34	915	0.02	0.7903	0.0000	0.0000	0.0000	0.0000	0.0004	0.0129	0.0000	0.0000	0.0002	0.0054	0.0001	0.0025
04/03/08 to 04/30/2008	4/30/08 0:00	626	975	0.10	62.3429	0.0000	0.0000	0.0000	0.0000	0.0008	0.5066	0.0000	0.0000	0.0000	0.0000	0.0005	0.2896
		April (2008) SVE Monthly Discharge Total (pounds)			**63.1332**		**0.0000**		**0.0000**		**0.5195**		**0.0000**		**0.0054**		**0.2922**
05/1/08 to 05/15/08	5/15/08 12:45	375	975	0.10	37.3460	0.0000	0.0000	0.0000	0.0000	0.0008	0.3035	0.0000	0.0000	0.0000	0.0000	0.0005	0.1735
05/15/08 to 05/31/2008	5/31/08 0:00	305	868	0.10	29.7976	0.0000	0.0000	0.0000	0.0000	0.0008	0.2471	0.0000	0.0000	0.0000	0.0000	0.0004	0.1215
		May (2008) SVE Monthly Discharge Total (pounds)			**67.1436**		**0.0000**		**0.0000**		**0.5505**		**0.0000**		**0.0000**		**0.2950**
06/1/08 to 06/3/08	6/3/08 12:10	150	868	0.10	14.6546	0.0000	0.0000	0.0000	0.0000	0.0008	0.1215	0.0000	0.0000	0.0000	0.0000	0.0004	0.2191
06/3/08 to 06/30/2008	6/30/08 0:00	591	918	0.11	63.9141	0.0000	0.0000	0.0000	0.0000	0.0009	0.5064	0.0000	0.0000	0.0000	0.0000	0.0004	0.0818
		June (2008) SVE Monthly Discharge Total (pounds)			**78.5687**		**0.0000**		**0.0000**		**0.6279**		**0.0000**		**0.0000**		**0.3009**
07/1/08 to 07/23/08	7/23/08 13:45	600	918	0.11	64.8874	0.0000	0.0000	0.0000	0.0000	0.0009	0.5141	0.0000	0.0000	0.0000	0.0000	0.0004	0.0598

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Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant: cis-1,2-DCE (lb/hr)	Not a Hazardous Air Pollutant: cis-1,2-DCE Discharged (lbs)
07/23/08 to 07/31/08	7/31/08 0:00	188	790	0.08	14.7727	0.0000	0.0000	0.0000	0.0000	0.0008	0.1417	0.0000	0.0000	0.0000	0.0000	0.0004	0.2158
July (2008) SVE Monthly Discharge Total (pounds)					**79.6601**		**0.0000**		**0.0000**		**0.6558**		**0.0000**		**0.0000**		**0.3009**
08/1/08 to 08/12/08	8/12/08 11:00	278	790	0.08	21.8447	0.0000	0.0000	0.0000	0.0000	0.0008	0.2095	0.0000	0.0000	0.0000	0.0000	0.0004	0.1210
08/12/08 to 08/31/08	8/31/08 0:00	457	867	0.08	37.3384	0.0000	0.0000	0.0000	0.0000	0.0008	0.3780	0.0000	0.0000	0.0000	0.0000	0.0004	0.2001
August (2008) SVE Monthly Discharge Total (pounds)					**59.1831**		**0.0000**		**0.0000**		**0.5875**		**0.0000**		**0.0000**		**0.3210**
09/1/08 to 09/11/08	9/11/08 17:30	262	867	0.08	21.4063	0.0000	0.0000	0.0000	0.0000	0.0008	0.2167	0.0000	0.0000	0.0000	0.0000	0.0004	0.1147
09/11/08 to 09/30/08	9/30/08 0:00	425	855	0.08	32.3626	0.0000	0.0000	0.0000	0.0000	0.0007	0.3167	0.0000	0.0000	0.0000	0.0000	0.0004	0.1669
September (2008) SVE Monthly Discharge Total (pounds)					**53.7689**		**0.0000**		**0.0000**		**0.5334**		**0.0000**		**0.0000**		**0.2816**
10/1/08 to 10/1/08	10/1/08 14:30	21	855	0.08	1.5991	0.0000	0.0000	0.0000	0.0000	0.0007	0.0157	0.0000	0.0000	0.0000	0.0000	0.0004	0.0082
10/1/08 to 10/31/08	10/31/08 0:00	729	862	0.09	69.1021	0.0000	0.0000	0.0000	0.0000	0.0008	0.5996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0308
October (2008) SVE Monthly Discharge Total (pounds)					**70.7012**		**0.0000**		**0.0000**		**0.6153**		**0.0000**		**0.0000**		**0.0390**
11/1/08 to 11/13/08	11/13/08 11:30	302	862	0.09	28.6267	0.0000	0.0000	0.0000	0.0000	0.0008	0.2484	0.0000	0.0000	0.0000	0.0000	0.0000	0.0127
11/13/08 to 11/30/08	11/30/08 0:00	433	857	0.06	27.2005	0.0000	0.0000	0.0000	0.0000	0.0014	0.6234	0.0000	0.0000	0.0002	0.0972	0.0002	0.0795
November (2008) SVE Monthly Discharge Total (pounds)					**55.8272**		**0.0000**		**0.0000**		**0.8718**		**0.0000**		**0.0972**		**0.0922**
12/1/08 to 12/1/08	12/1/08 14:00	18	857	0.06	1.1307	0.0000	0.0000	0.0000	0.0000	0.0014	0.0259	0.0000	0.0000	0.0002	0.0040	0.0002	0.0033
12/1/08 to 12/31/08	12/31/08 0:00	712	871	0.08	58.4519	0.0000	0.0000	0.0000	0.0000	0.0009	0.6689	0.0000	0.0000	0.0000	0.0000	0.0004	0.2657
December (2008) SVE Monthly Discharge Total (pounds)					**59.5826**		**0.0000**		**0.0000**		**0.6948**		**0.0000**		**0.0040**		**0.2690**
1/1/09 to 1/20/09	1/20/09 14:15	471	871	0.08	38.6530	0.0000	0.0000	0.0000	0.0000	0.0009	0.4423	0.0000	0.0000	0.0000	0.0000	0.0004	0.1757
1/20/09 to 1/31/09	1/31/09 0:00	214	912	0.05	11.7565	0.0000	0.0000	0.0000	0.0000	0.0012	0.2470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096
January (2009) SVE Monthly Discharge Total (pounds)					**50.4096**		**0.0000**		**0.0000**		**0.6894**		**0.0000**		**0.0000**		**0.1853**
2/1/09 to 2/10/09	2/10/09 11:15	287	912	0.05	15.7670	0.0000	0.0000	0.0000	0.0000	0.0012	0.3313	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128
2/10/09 to 2/28/09	2/28/09 0:00	429	893	0.06	24.0831	0.0000	0.0000	0.0000	0.0000	0.0009	0.4055	0.0000	0.0000	0.0000	0.0000	0.0004	0.1584
February (2009) SVE Monthly Discharge Total (pounds)					**39.8500**		**0.0000**		**0.0000**		**0.7368**		**0.0000**		**0.0000**		**0.1712**
3/1/09 to 3/17/09	3/17/09 9:30	416	893	0.06	23.3533	0.0000	0.0000	0.0000	0.0000	0.0009	0.3932	0.0000	0.0000	0.0000	0.0000	0.0004	0.1536
3/17/09 to 3/31/09	3/31/09 0:00	332	912	0.05	16.6553	0.0000	0.0000	0.0000	0.0000	0.0006	0.2136	0.0000	0.0000	0.0000	0.0000	0.0003	0.0927
March (2009) SVE Monthly Discharge Total (pounds)					**40.0086**		**0.0000**		**0.0000**		**0.6068**		**0.0000**		**0.0000**		**0.2463**
4/1/09 to 4/9/09	4/9/09 11:30	213	912	0.05	10.6855	0.0000	0.0000	0.0000	0.0000	0.0006	0.1371	0.0000	0.0000	0.0000	0.0000	0.0003	0.0595
4/9/09 to 4/31/09	4/30/09 0:00	522	923	0.07	36.5745	0.0000	0.0000	0.0000	0.0000	0.0008	0.3997	0.0000	0.0000	0.0000	0.0000	0.0003	0.1548
April (2009) SVE Monthly Discharge Total (pounds)					**47.2600**		**0.0000**		**0.0000**		**0.5368**		**0.0000**		**0.0000**		**0.2143**
5/1/09 to 5/5/09	5/5/09 16:00	101	923	0.07	7.0767	0.0000	0.0000	0.0000	0.0000	0.0008	0.0773	0.0000	0.0000	0.0000	0.0000	0.0003	0.0300
5/5/09 to 5/31/09	5/31/09 0:00	626	916	0.06	39.0183	0.0000	0.0000	0.0000	0.0000	0.0007	0.4637	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
May (2009) SVE Monthly Discharge Total (pounds)					**46.0949**		**0.0000**		**0.0000**		**0.5410**		**0.0000**		**0.0000**		**0.0300**
6/1/09 to 6/11/09	6/11/09 14:00	257	916	0.06	16.0003	0.0000	0.0000	0.0000	0.0000	0.0007	0.1902	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/11/09 to 6/30/09	6/30/09 0:00	453	913	0.05	23.8296	0.0000	0.0000	0.0000	0.0000	0.0007	0.3004	0.0000	0.0000	0.0000	0.0000	0.0003	0.1456
June (2009) SVE Monthly Discharge Total (pounds)					**39.8299**		**0.0000**		**0.0000**		**0.4905**		**0.0000**		**0.0000**		**0.1456**
7/1/09 to 7/23/09	7/23/09 10:00	550	913	0.05	28.9321	0.0000	0.0000	0.0000	0.0000	0.0007	0.3647	0.0000	0.0000	0.0000	0.0000	0.0003	0.1768
7/23/09 to 7/31/09	7/31/09 0:00	200	929	0.06	12.6466	0.0000	0.0000	0.0000	0.0000	0.0007	0.1426	0.0000	0.0000	0.0000	0.0000	0.0003	0.0654
July (2009) SVE Monthly Discharge Total (pounds)					**41.5788**		**0.0000**		**0.0000**		**0.5073**		**0.0000**		**0.0000**		**0.2422**
8/1/09 to 8/6/09	8/6/09 11:54	138	929	0.06	8.7262	0.0000	0.0000	0.0000	0.0000	0.0007	0.0984	0.0000	0.0000	0.0000	0.0000	0.0003	0.0451
8/6/09 to 8/31/09	8/31/09 0:00	612	994	0.05	33.4450	0.0000	0.0000	0.0000	0.0000	0.0008	0.4795	0.0000	0.0000	0.0000	0.0000	0.0004	0.2606
August (2009) SVE Monthly Discharge Total (pounds)					**42.1712**		**0.0000**		**0.0000**		**0.5779**		**0.0000**		**0.0000**		**0.3058**
9/1/09 to 9/16/09	9/16/09 14:15	351	994	0.05	19.2075	0.0000	0.0000	0.0000	0.0000	0.0008	0.2754	0.0000	0.0000	0.0000	0.0000	0.0004	0.1497
9/16/09 to 9/30/09	9/30/09 0:00	270	916	0.11	29.1427	0.0000	0.0000	0.0000	0.0000	0.0010	0.2617	0.0000	0.0000	0.0000	0.0000	0.0006	0.1590
September (2009) SVE Monthly Discharge Total (pounds)					**48.3502**		**0.0000**		**0.0000**		**0.5370**		**0.0000**		**0.0000**		**0.3087**
10/1/09 to 10/5/09	10/5/09 8:45	106	916	0.11	11.4412	0.0000	0.0000	0.0000	0.0000	0.0010	0.1027	0.0000	0.0000	0.0000	0.0000	0.0006	0.0624
10/5/09 to 10/31/09	10/31/09 0:00	640	914	0.07	44.4364	0.0000	0.0000	0.0000	0.0000	0.0012	0.7891	0.0000	0.0000	0.0000	0.0000	0.0006	0.3851
October (2009) SVE Monthly Discharge Total (pounds)					**55.8776**		**0.0000**		**0.0000**		**0.8918**		**0.0000**		**0.0000**		**0.4475**
11/1/09 to 11/16/09	11/16/09 16:45	375	914	0.07	26.0370	0.0000	0.0000	0.0000	0.0000	0.0012	0.4624	0.0000	0.0000	0.0000	0.0000	0.0006	0.2257
11/16/09 to 11/30/09	11/30/09 0:00	342	920	0.03	9.0672	0.0000	0.0000	0.0000	0.0000	0.0004	0.1502	0.0000	0.0000	0.0000	0.0000	0.0002	0.0578
November (2009) SVE Monthly Discharge Total (pounds)					**35.1041**		**0.0000**		**0.0000**		**0.6126**		**0.0000**		**0.0000**		**0.2835**
12/1/09 to 12/15/09	12/10/09 12:15	228	920	0.03	6.0448	0.0000	0.0000	0.0000	0.0000	0.0004	0.1001	0.0000	0.0000	0.0000	0.0000	0.0002	0.0385
12/15/09 to 12/31/09	12/31/09 0:00	496	1009	0.08	39.3300	0.0000	0.0000	0.0000	0.0000	0.0010	0.4986	0.0000	0.0000	0.0002	0.0947	0.0004	0.1916
December (2009) SVE Monthly Discharge Total (pounds)					**45.3748**		**0.0000**		**0.0000**		**0.5987**		**0.0000**		**0.0947**		**0.2301**
1/1/10 to 1/11/10	1/11/10 15:35	256.00	1009	0.0793	20.2993	0.0000	0.0000	0.0000	0.0000	0.0010	0.2573	0.0000	0.0000	0.0002	0.0489	0.0004	0.0989
1/11/10 to /31/10	1/31/10 0:00	488.00	998	0.0758	36.9758	0.0000	0.0000	0.0000	0.0000	0.0012	0.5960	0.0000	0.0000	0.0000	0.0000	0.0004	0.1938

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Table 11. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
January (2010) SVE Monthly Discharge Total (pounds)					**57.2752**		**0.0000**		**0.0000**		**0.8533**		**0.0000**		**0.0489**		**0.2926**
2/1/10 to 2/4/10	2/4/10 16:30	88.00	998	0.0758	6.6678	0.0000	0.0000	0.0000	0.0000	0.0012	0.1075	0.0000	0.0000	0.0000	0.0000	0.0004	0.0349
2/4/10 to 2/28/10	2/28/10 0:00	491.00	1011	0.0742	36.4099	0.0000	0.0000	0.0000	0.0000	0.0014	0.6903	0.0000	0.0000	0.0000	0.0000	0.0004	0.2128
February (2010) SVE Monthly Discharge Total (pounds)					**43.0777**		**0.0000**		**0.0000**		**0.7977**		**0.0000**		**0.0000**		**0.2478**
3/1/10 to 3/4/10	3/4/10 14:30	62.00	1011	0.0742	4.5976	0.0000	0.0000	0.0000	0.0000	0.0014	0.0872	0.0000	0.0000	0.0000	0.0000	0.0004	0.0269
3/4/10 to 3/31/10	3/31/10 0:00	619.00	1002	0.1233	76.3484	0.0000	0.0000	0.0000	0.0000	0.0015	0.9138	0.0000	0.0000	0.0000	0.0000	0.0003	0.2089
March (2010) SVE Monthly Discharge Total (pounds)					**80.9459**		**0.0000**		**0.0000**		**1.0009**		**0.0000**		**0.0000**		**0.2358**
4/1/10 to 4/14/10	4/14/10 14:30	314.00	1002	0.1233	38.7292	0.0000	0.0000	0.0000	0.0000	0.0015	0.4635	0.0000	0.0000	0.0000	0.0000	0.0003	0.1060
4/14/10 to 4/30/10	4/30/10 0:00	392.00	932	0.0757	29.6580	0.0000	0.0000	0.0000	0.0000	0.0010	0.4017	0.0000	0.0000	0.0000	0.0000	0.0003	0.1062
April (2010) SVE Monthly Discharge Total (pounds)					**68.3872**		**0.0000**		**0.0000**		**0.8653**		**0.0000**		**0.0000**		**0.2122**
5/1/10 to 5/6/10	5/6/10 15:30	137.00	932	0.0757	10.3652	0.0000	0.0000	0.0000	0.0000	0.0010	0.1404	0.0000	0.0000	0.0000	0.0000	0.0003	0.0371
5/6/10 to 5/31/10	5/31/10 0:00	563.25	996	0.0992	55.8494	0.0000	0.0000	0.0000	0.0000	0.0010	0.5589	0.0000	0.0000	0.0000	0.0000	0.0003	0.1546
May (2010) SVE Monthly Discharge Total (pounds)					**66.2146**		**0.0000**		**0.0000**		**0.6993**		**0.0000**		**0.0000**		**0.1918**
6/1/10 to 6/6/10	6/6/10 15:36	373.75	996	0.0992	37.0594	0.0000	0.0000	0.0000	0.0000	0.0010	0.3709	0.0000	0.0000	0.0000	0.0000	0.0003	0.1026
6/6/10 to 6/30/10	6/30/10 0:00	331.00	918	0.0817	27.0443	0.0000	0.0000	0.0000	0.0000	0.0013	0.4222	0.0000	0.0000	0.0000	0.0000	0.0004	0.1441
June (2010) SVE Monthly Discharge Total (pounds)					**64.1037**		**0.0000**		**0.0000**		**0.7931**		**0.0000**		**0.0000**		**0.2467**
7/1/10 to 7/21/10	7/21/10 16:00	472.00	918	0.0817	38.5646	0.0000	0.0000	0.0000	0.0000	0.0013	0.6021	0.0000	0.0000	0.0000	0.0000	0.0004	0.2055
7/21/10 to 7/31/10	7/31/10 0:00	269.00	918	0.0841	22.6250	0.0000	0.0000	0.0000	0.0000	0.0011	0.3022	0.0000	0.0000	0.0000	0.0000	0.0004	0.1171
July (2010) SVE Monthly Discharge Total (pounds)					**61.1897**		**0.0000**		**0.0000**		**0.9043**		**0.0000**		**0.0000**		**0.3227**
8/1/10 to 8/26/10	8/26/10 14:30	585.00	918	0.0841	49.2031	0.0000	0.0000	0.0000	0.0000	0.0011	0.6571	0.0000	0.0000	0.0000	0.0000	0.0004	0.2547
8/26/10 to 8/31/10	8/31/10 0:00	127.50	881	0.0946	12.0594	0.0000	0.0000	0.0000	0.0000	0.0015	0.1957	0.0000	0.0000	0.0000	0.0000	0.0005	0.0636
August (2010) SVE Monthly Discharge Total (pounds)					**61.2625**		**0.0000**		**0.0000**		**0.8529**		**0.0000**		**0.0000**		**0.3183**
9/1/10 to 9/21/10	9/21/10 11:10	490.50	881	0.0946	46.3931	0.0000	0.0000	0.0000	0.0000	0.0015	0.7531	0.0000	0.0000	0.0000	0.0000	0.0005	0.2447
9/21/10 to 9/30/10	9/30/10 0:00	82.00	992	0.0884	7.2464	0.0000	0.0000	0.0000	0.0000	0.0011	0.0895	0.0000	0.0000	0.0000	0.0000	0.0003	0.0274
September (2010) SVE Monthly Discharge Total (pounds)					**53.6395**		**0.0000**		**0.0000**		**0.8426**		**0.0000**		**0.0000**		**0.2721**
10/1/10 to 12/6/10	12/6/10 15:45	1100.00	992	0.0884	97.2080	0.0000	0.0000	0.0000	0.0000	0.0011	1.2005	0.0000	0.0000	0.0000	0.0000	0.0003	0.3676
12/6/10 to 12/31/10	12/31/10 0:00	664.00	956	0.1177	78.1275	0.0000	0.0000	0.0000	0.0000	0.0014	0.9351	0.0000	0.0000	0.0000	0.0000	0.0006	0.3692
4th Quarter (2010) SVE Monthly Discharge Total (pounds)					**175.3354**		**0.0000**		**0.0000**		**2.1356**		**0.0000**		**0.0000**		**0.7369**
Total Discharged (pounds)					**27837.49**		**0.0144**		**0.8143**		**113.6353**		**0.0000**		**0.3579**		**26.9945**
Total Discharged (tons)					**13.92**		**0.0000**		**0.0004**		**0.0568**		**0.0000**		**0.0002**		**0.0135**
Estimated 12 Consecutive Month Discharge (tons)*					**0.3657**		**0.0000**		**0.0000**		**0.0049**		**0.0000**		**0.0000**		**0.0015**
Total Discharged (tons)					**13.92**		**0.0000**		**0.0004**		**0.0568**		**0.0000**		**0.0002**		**0.0135**
Estimated 12 Consecutive Month Discharge (tons)*					**0.3657**		**0.0000**		**0.0000**		**0.0049**		**0.0000**		**0.0000**		**0.0015**

Notes:

* Estimated 12 consecutive month discharge is calculated by the sum of mass removed during the last 12 months listed on the table above.

** - Based on previous sampling events Chloroform Cumene and Toluene assumed below detection limits for 7/7/05 sampling event due to lab running the wrong analyte list, and omitting these three compounds from the list.

*** - System shut-down on 10/7/05 for tank replacement, and was restarted on 11/3/05

***** - Allison Transmission sold on 8/7/07.

N/A Sample not analyzed for this parameter

The discharge interval is the generally the interval between the collection of two samples. Samples are collected at the beginning of each month and whenever an adjustment to the system is made that might affect the discharge. The results used to calculate the discharge are from the sample collected at the beginning of each interval. For example, the August 2004 discharge was calculated using data from two discharge intervals. The first interval (August 1 - August 3) is a continuation of the July 2004 interval and uses the laboratory data for the sample collected on July 7 to calculate the discharge mass. The second interval (August 3 through August 31) used the analytical data collected from the sample collected on August 4, 2004 to calculate the discharge. Because this remediation system is removing a finite mass from the subsurface soil, the concentrations will decrease over time; therefore, the practice of using the data collected at the beginning of the discharge interval provides a conservative (biased high) estimate of the mass discharged. It is important to note that throughout the operation of this system, the concentration of PCE removed has always decreased over time unless additional extraction wells are opened to improve the effectiveness of the system. The day or two interval between system adjustment and sample collection also provides a conservative concentration value because when the system is adjusted to increase its effectiveness (i.e.., additional extraction wells are brought on-line), it takes time for the effect to be fully realized.

In July 2008 ENCORE submitted an Air Permit Modification Application to the City of Indianapolis proposing to remove the ENCORE permitted units from the Allison Transmission, Inc. Title V Permit. In August 2008, ENCORE received approval of the application from the City of Indianapolis which identified the units as exempt from air pollutant permit requirements.

As monthly air emission sampling is no longer a regulatory requirement (per exempt operation status letter dated August 14, 2008 from City of Indianapolis, Department of Public Works), quarterly vapor sampling of the SVE remediation system started during 4th Quarter 2010.

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Table 12. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 Groundwater Recovery System Air Stripper, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
11/28/07* to 11/30/2007	11/30/07 0:00	40.00	360	0.0405	1.6217	0.0000	0.0000	0.0000	0.0000	0.0007	0.0278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
November (2007) Monthly Discharge Total (pounds)					**1.6217**		**0.0000**		**0.0000**		**0.0278**		**0.0000**		**0.0000**		**0.0000**
12/01/07 to 12/13/2007	12/13/07 16:30	40.00	360	0.0405	1.6217	0.0000	0.0000	0.0000	0.0000	0.0007	0.0278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/13/07 to 12/31/2007	12/31/07 0:00	375.20	360	0.0002	0.0672	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
December (2007) Monthly Discharge Total (pounds)					**1.6889**		**0.0000**		**0.0000**		**0.0278**		**0.0000**		**0.0000**		**0.0000**
01/01/08 to 01/08/2008	1/8/08 11:15	43.50	360	0.0002	0.0078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
01/08/08 to 01/31/2008	1/31/08 0:00	501.40	360	0.0017	0.8509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0150	0.0000	0.0041	0.0001	0.0289	0.0000	0.0072
January (2008) Monthly Discharge Total (pounds)					**0.8587**		**0.0000**		**0.0000**		**0.0150**		**0.0041**		**0.0289**		**0.0072**
02/01/08 to 02/12/2008	2/12/08 11:30	226.60	360	0.0017	0.3846	0.0000	0.0000	0.0000	0.0000	0.0000	0.0068	0.0000	0.0019	0.0001	0.0131	0.0000	0.0032
02/12/08 to 02/29/2008	2/29/08 0:00	288.50	360	0.0509	14.6888	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
February (2008) Monthly Discharge Total (pounds)					**15.0733**		**0.0000**		**0.0000**		**0.0068**		**0.0019**		**0.0131**		**0.0032**
03/01/08 to 03/04/2008	3/4/08 17:15	130.80	360	0.0509	6.6596	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03/04/08 to 03/31/2008	3/31/08 0:00	639.20	360	0.0236	15.0669	0.0000	0.0000	0.0000	0.0000	0.0002	0.1480	0.0000	0.0000	0.0001	0.0703	0.0001	0.0564
March (2008) Monthly Discharge Total (pounds)					**21.7264**		**0.0000**		**0.0000**		**0.1480**		**0.0000**		**0.0703**		**0.0564**
04/01/08 to 04/03/2008	4/3/08 10:50	58.00	360	0.0236	1.3671	0.0000	0.0000	0.0000	0.0000	0.0002	0.0134	0.0000	0.0000	0.0001	0.0064	0.0001	0.0051
04/03/08 to 04/30/2008	4/30/08 0:00	346.00	360	0.1131	39.1474	0.0000	0.0000	0.0000	0.0000	0.0012	0.4135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
April (2008) Monthly Discharge Total (pounds)					**40.5146**		**0.0000**		**0.0000**		**0.4270**		**0.0000**		**0.0064**		**0.0051**
05/01/08 to 05/15/2008	5/15/08 12:00	144.60	360	0.1131	16.3605	0.0000	0.0000	0.0000	0.0000	0.0012	0.1728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05/15/08 to 05/31/2008	5/30/08 0:00	335.20	360	0.1226	41.0859	0.0000	0.0000	0.0000	0.0000	0.0015	0.5008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
May (2008) Monthly Discharge Total (pounds)					**57.4464**		**0.0000**		**0.0000**		**0.6736**		**0.0000**		**0.0000**		**0.0000**
06/01/08 to 06/03/2008	6/3/08 11:53	62.00	360	0.1226	7.5994	0.0000	0.0000	0.0000	0.0000	0.0015	0.0926	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06/03/08 to 06/30/2008	6/30/08 0:00	349.00	370	0.0204	7.1022	0.0000	0.0000	0.0000	0.0000	0.0001	0.0509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
June (2008) Monthly Discharge Total (pounds)					**14.7016**		**0.0000**		**0.0000**		**0.1435**		**0.0000**		**0.0000**		**0.0000**
07/01/08 to 07/23/2008	7/23/08 14:00	279.30	370	0.0204	5.6838	0.0000	0.0000	0.0000	0.0000	0.0001	0.0407	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07/23/08 to 07/31/2008	7/31/08 0:00	178.60	360	0.0002	0.0370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0071	0.0000	0.0033
July (2008) Monthly Discharge Total (pounds)					**5.7208**		**0.0000**		**0.0000**		**0.0415**		**0.0000**		**0.0071**		**0.0033**
08/01/08 to 08/12/2008	8/12/08 10:30	202.30	360	0.0002	0.0420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0081	0.0000	0.0038
08/12/08 to 08/31/2008	8/31/08 0:00	420.80	370	0.0076	3.1806	0.0000	0.0000	0.0000	0.0000	0.0001	0.0223	0.0000	0.0000	0.0000	0.0208	0.0000	0.0095
August (2008) Monthly Discharge Total (pounds)					**3.2226**		**0.0000**		**0.0000**		**0.0232**		**0.0000**		**0.0289**		**0.0133**
09/01/08 to 09/11/2008	9/11/08 17:00	251.50	370	0.0076	1.9010	0.0000	0.0000	0.0000	0.0000	0.0001	0.0133	0.0000	0.0000	0.0000	0.0125	0.0000	0.0057
09/11/08 to 09/30/2008	9/30/08 0:00	319.00	360	0.0003	0.1113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050	0.0000	0.0000	0.0001	0.0351	0.0000	0.0044
September (2008) Monthly Discharge Total (pounds)					**2.0123**		**0.0000**		**0.0000**		**0.0183**		**0.0000**		**0.0476**		**0.0101**
10/01/08 to 10/01/2008	10/1/08 14:00	20.80	360	0.0003	0.0073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0001	0.0023	0.0000	0.0003
10/01/08 to 10/31/2008	10/31/08 0:00	390.20	360	0.0002	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044	0.0000	0.0000	0.0000	0.0102	0.0000	0.0034
October (2008) Monthly Discharge Total (pounds)					**0.0735**		**0.0000**		**0.0000**		**0.0047**		**0.0000**		**0.0125**		**0.0037**
11/01/08 to 11/13/2008	11/13/08 11:45	96.60	360	0.0002	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0025	0.0000	0.0009
11/13/08 to 11/30/2008	11/30/08 0:00	278.20	360	0.0330	9.1806	0.0000	0.0000	0.0000	0.0000	0.0004	0.1185	0.0000	0.0000	0.0000	0.0000	0.0002	0.0552

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Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
		November (2008) Monthly Discharge Total (pounds)			**9.1970**		**0.0000**		**0.0000**		**0.1195**		**0.0000**		**0.0025**		**0.0560**
12/01/08 to 12/1/2008	12/1/08 14:30	20.00	360	0.0330	0.6600	0.0000	0.0000	0.0000	0.0000	0.0004	0.0085	0.0000	0.0000	0.0000	0.0000	0.0002	0.0040
12/1/08 to 12/31/2008	12/31/08 0:00	588.20	360	0.0057	3.3275	0.0000	0.0000	0.0000	0.0000	0.0001	0.0835	0.0000	0.0000	0.0000	0.0206	0.0000	0.0230
		December (2008) Monthly Discharge Total (pounds)			**3.9875**		**0.0000**		**0.0000**		**0.0920**		**0.0000**		**0.0206**		**0.0270**
1/01/09 to 1/20/09	1/20/09 14:30	93.70	360	0.0057	0.5301	0.0000	0.0000	0.0000	0.0000	0.0001	0.0133	0.0000	0.0000	0.0000	0.0033	0.0000	0.0037
1/20/09 to 1/31/09	1/31/09 0:00	194.90	360	0.0009	0.1838	0.0000	0.0016	0.0000	0.0000	0.0000	0.0022	0.0000	0.0000	0.0000	0.0020	0.0000	0.0067
		January (2009) Monthly Discharge Total (pounds)			**0.7138**		**0.0016**		**0.0000**		**0.0155**		**0.0000**		**0.0053**		**0.0103**
2/01/09 to 2/10/09	2/10/09 11:00	230.60	360	0.0009	0.2174	0.0000	0.0019	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0024	0.0000	0.0079
2/10/09 to 2/28/09	2/28/09 0:00	142.30	360	0.0002	0.0242	0.0000	0.0010	0.0000	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0021	0.0000	0.0041
		February (2009) Monthly Discharge Total (pounds)			**0.2416**		**0.0029**		**0.0000**		**0.0035**		**0.0000**		**0.0045**		**0.0120**
3/01/09 to 3/31/09	3/31/09 0:00	259.60	360	0.0002	0.0441	0.0000	0.0019	0.0000	0.0000	0.0000	0.0017	0.0000	0.0000	0.0000	0.0038	0.0000	0.0074
		March (2009) Monthly Discharge Total (pounds)			**0.0441**		**0.0019**		**0.0000**		**0.0017**		**0.0000**		**0.0038**		**0.0074**
4/01/09 to 4/09/09	4/9/09 10:30	210.10	360	0.0002	0.0357	0.0000	0.0015	0.0000	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0031	0.0000	0.0060
4/09/09 to 4/30/09	4/30/09 0:00	441.80	360	0.0141	6.2483	0.0000	0.0000	0.0000	0.0000	0.0003	0.1254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0192
		April (2009) Monthly Discharge Total (pounds)			**6.2840**		**0.0015**		**0.0000**		**0.1268**		**0.0000**		**0.0031**		**0.0253**
5/01/09 to 5/31/09	5/31/09 0:00	448.20	360	0.0141	6.3388	0.0000	0.0000	0.0000	0.0000	0.0003	0.1272	0.0000	0.0000	0.0000	0.0000	0.0000	0.0195
		May (2009) Monthly Discharge Total (pounds)			**6.3388**		**0.0000**		**0.0000**		**0.1272**		**0.0000**		**0.0000**		**0.0195**
6/01/09 to 6/30/09	6/30/09 0:00	603.00	360	0.0141	8.5281	0.0000	0.0000	0.0000	0.0000	0.0003	0.1712	0.0000	0.0000	0.0000	0.0000	0.0000	0.0263
		June (2009) Monthly Discharge Total (pounds)			**8.5281**		**0.0000**		**0.0000**		**0.1712**		**0.0000**		**0.0000**		**0.0263**
7/01/09 to 7/31/09	7/31/09 0:00	637.40	360	0.0141	9.0147	0.0000	0.0000	0.0000	0.0000	0.0003	0.1809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0278
		July (2009) Monthly Discharge Total (pounds)			**9.0147**		**0.0000**		**0.0000**		**0.1809**		**0.0000**		**0.0000**		**0.0278**
8/01/09 to 8/06/09	8/6/09 12:45	115.90	360	0.0141	1.6392	0.0000	0.0000	0.0000	0.0000	0.0003	0.0329	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050
8/06/09 to 8/31/09	8/31/09 0:00	543.80	360	0.0007	0.3692	0.0000	0.0000	0.0000	0.0000	0.0000	0.0219	0.0000	0.0000	0.0002	0.1253	0.0000	0.0141
		August (2009) Monthly Discharge Total (pounds)			**2.0083**		**0.0000**		**0.0000**		**0.0548**		**0.0000**		**0.1253**		**0.0191**
9/01/09 to 9/30/09	9/30/09 0:00	700.00	360	0.0007	0.4752	0.0000	0.0000	0.0000	0.0000	0.0000	0.0282	0.0000	0.0000	0.0002	0.1614	0.0000	0.0181
		September (2009) Monthly Discharge Total (pounds)			**0.4752**		**0.0000**		**0.0000**		**0.0282**		**0.0000**		**0.1614**		**0.0181**
10/01/09 to 10/31/09	10/31/09 0:00	700.00	360	0.0007	0.4292	0.0000	0.0000	0.0000	0.0000	0.0000	0.0255	0.0000	0.0000	0.0002	0.1457	0.0000	0.0164
		October (2009) Monthly Discharge Total (pounds)			**0.4292**		**0.0000**		**0.0000**		**0.0255**		**0.0000**		**0.1457**		**0.0164**
11/01/09 to 11/16/09	11/01/09 to 11/16/09	373.30	360	0.0007	0.2534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0151	0.0000	0.0000	0.0002	0.0860	0.0000	0.0097
11/16/09 to 11/30/09	11/16/09 to 11/30/09	320.60	360	0.1603	51.3876	0.0000	0.0000	0.0000	0.0000	0.0030	0.9580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		November (2009) Monthly Discharge Total (pounds)			**51.6410**		**0.0000**		**0.0000**		**0.9730**		**0.0000**		**0.0860**		**0.0097**
12/01//09 to 12/31/09	12/31/09 0:00	389.50	360	0.1603	62.4313	0.0000	0.0000	0.0000	0.0000	0.0030	1.1638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		December (2009) Monthly Discharge Total (pounds)			**62.4313**		**0.0000**		**0.0000**		**1.1638**		**0.0000**		**0.0000**		**0.0000**
1/1/10 to 1/31/10	1/31/09 0:00	693.60	360	0.1603	111.1742	0.0000	0.0000	0.0000	0.0000	0.0030	2.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		January (2010) Monthly Discharge Total (pounds)			**111.1742**		**0.0000**		**0.0000**		**2.0725**		**0.0000**		**0.0000**		**0.0000**
2/4/10 to 2/28/10	2/4/10 16:45	78.20	360	0.0002	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2/4/10 to 2/28/10	2/28/10 0:00	519.20	360	0.0005	0.2643	0.0000	0.0000	0.0000	0.0000	0.0001	0.0271	0.0000	0.0000	0.0000	0.0049	0.0000	0.0000

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Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
		February (2010) Monthly Discharge Total (pounds)			**0.2784**		**0.0000**		**0.0000**		**0.0271**		**0.0000**		**0.0049**		**0.0000**
3/1/10 to 3/31/10	3/31/10 0:00	632.60	360	0.0005	0.3221	0.0000	0.0000	0.0000	0.0000	0.0001	0.0331	0.0000	0.0000	0.0000	0.0060	0.0000	0.0000
		Marach (2010) Monthly Discharge Total (pounds)			**0.3221**		**0.0000**		**0.0000**		**0.0331**		**0.0000**		**0.0060**		**0.0000**
4/1/10 to 4/30/10	4/30/10 0:00	665.00	360	0.0005	0.3386	0.0000	0.0000	0.0000	0.0000	0.0001	0.0348	0.0000	0.0000	0.0000	0.0063	0.0000	0.0000
		April (2010) Monthly Discharge Total (pounds)			**0.3386**		**0.0000**		**0.0000**		**0.0348**		**0.0000**		**0.0063**		**0.0000**
5/1/10 to 5/6/10	5/6/10 14:00	128.30	360	0.0005	0.0653	0.0000	0.0000	0.0000	0.0000	0.0001	0.0067	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000
5/6/10 to 5/31/10	5/31/10 0:00	597.95	360	0.0003	0.2030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0053	0.0006	0.3818
		May (2010) Monthly Discharge Total (pounds)			**0.2683**		**0.0000**		**0.0000**		**0.0096**		**0.0000**		**0.0065**		**0.3818**
6/1/10 to 6/30/10	6/30/10 0:00	540.75	360	0.0003	0.1835	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0048	0.0006	0.3453
		June (2010) Monthly Discharge Total (pounds)			**0.1835**		**0.0000**		**0.0000**		**0.0026**		**0.0000**		**0.0048**		**0.3453**
7/1/10 to 7/31/10	7/31/10 0:00	672.00	360	0.0003	0.2281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000	0.0000	0.0000	0.0060	0.0006	0.4291
		July (2010) Monthly Discharge Total (pounds)			**0.2281**		**0.0000**		**0.0000**		**0.0032**		**0.0000**		**0.0060**		**0.4291**
8/1/10 to 8/31/10	8/31/10 0:00	613.50	360	0.0003	0.2082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0055	0.0006	0.3918
		August (2010) Monthly Discharge Total (pounds)			**0.2082**		**0.0000**		**0.0000**		**0.0029**		**0.0000**		**0.0055**		**0.3918**
9/1/10 to 9/21/10	9/21/10 11:20	482.70	360	0.0003	0.1638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0000	0.0000	0.0000	0.0043	0.0006	0.3082
9/21/10 to 9/30/10	9/30/10 0:00	221.80	360	0.0010	0.2300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000	0.0000	0.0000	0.0008	0.0000	0.0008
		September (2010) Monthly Discharge Total (pounds)			**0.3939**		**0.0000**		**0.0000**		**0.0063**		**0.0000**		**0.0051**		**0.3091**
10/1/10 to 12/2/10	12/6/10 15:30	908.90	360	0.0010	0.9427	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000	0.0000	0.0000	0.0034	0.0000	0.0034
12/6/10 to 12/31/10	12/31/10 0:00	577.10	380	0.0001	0.0747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0303	0.0000	0.0000
		4th Quarter (2010) Monthly Discharge Total (pounds)			**1.0173**		**0.0000**		**0.0000**		**0.0163**		**0.0000**		**0.0337**		**0.0034**
				Total Discharged (pounds)	**440.4081**		**0.0079**		**0.0000**		**6.8493**		**0.0060**		**0.8518**		**2.2377**
				Total Discharged (tons)	**0.2202**		**0.0000**		**0.0000**		**0.0034**		**0.0000**		**0.0004**		**0.0011**
				Estimated 12 Consecutive Month Discharge (tons)**	**0.0572**		**0.0000**		**0.0000**		**0.0011**		**0.0000**		**0.0000**		**0.0009**

Notes:

*- Source area recovery wells activated on 11/28/07.

** Estimated 12 consecutive month discharge is calculated by the sum of mass removed during the last 12 months listed on the table above.

N/A Sample not analyzed for this parameter

The discharge interval is the generally the interval between the collection of two samples. Samples are collected at the beginning of each month and whenever an adjustment to the system is made that might affect the discharge. The results used to calculate the discharge are from the sample collected at the beginning of each interval. For example, the August 2004 discharge was calculated using data from two discharge intervals. The first interval (August 1 - August 3) is a continuation of the July 2004 interval and uses the laboratory data for the sample collected on July 7 to calculate the discharge mass. The second interval (August 3 through August 31) used the analytical data collected from the sample collected on August 4, 2004 to calculate the discharge. Because this remediation system is removing a finite mass from the subsurface soil, the concentrations will decrease over time; therefore, the practice of using the data collected at the beginning of the discharge interval provides a conservative (biased high) estimate of the mass discharged. It is important to note that throughout the operation of this system, the concentration of PCE removed has always decreased over time unless additional extraction wells are opened to improve the effectiveness of the system. The day or two interval between system adjustment and sample collection also provides a conservative concentration value because when the system is adjusted to increase its effectiveness (i.e.., additional extraction wells are brought on-line), it takes time for the effect to be fully realized.

In July 2008 ENCORE submitted an Air Permit Modification Application to the City of Indianapolis proposing to remove the ENCORE permitted units from the Allison Transmission, Inc. Title V Permit. In August 2008, ENCORE received approval of the application from the City of Indianapolis which identified the units as exempt from air pollutant permit requirements.

As monthly air emission sampling is no longer a regulatory requirement (per exempt operation status letter dated August 14, 2008 from City of Indianapolis, Department of Public Works), the frequency of air stripper vapor sampling has been reduced to quarterly starting with First Quarter 2009. The sample from February 2009 was used to calculate the air emissions for March 2009.

Starting with 4th Quarther 2010 reporting, only quarterly mass removal volume will be presented.

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Table 13. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010) Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
RW-0604-S3	July - December 2007[1]	7,557	0.000	0.000
	January - June 2008[2]	132,637	0.001	0.001
	July - December 2008[5]	159,009	0.000	0.000
	January - June 2009[6]	244,503	0.000	0.000
	July - December 2009	139,246	0.000	0.000
	January - June 2010[7]	58,316	0.000	0.000
	July - December 2010[8]	179,254	0.000	0.000
	Cumulative Results	920,522	0.001	--
RW-0604-S2B	July - December 2007[1]	8,388	0.000	0.000
	January - June 2008[2]	107,650	0.000	0.000
	July - December 2008[5]	88,533	0.000	0.000
	January - June 2009[6]	201,618	0.001	0.001
	July - December 2009	60,015	0.000	0.000
	January - June 2010[7]	30,824	0.000	0.000
	July - December 2010[8]	8,767	0.000	0.000
	Cumulative Results	505,795	0.001	--
RW-0603-S3	July - December 2007[1]	9,219	0.000	0.000*
	January - June 2008[2]	291,965	0.000	0.000
	July - December 2008[5]	225,163	0.000	0.000
	January - June 2009[6]	395,050	0.000	0.000
	July - December 2009	614,606	0.000	0.000
	January - June 2010[7]	187,640	0.000	0.000
	July - December 2010[8]	77,582	0.000	0.000
	Cumulative Results	1,801,225	0.000	--
RW-0501-S3	July - December 2007[1]	732	0.000	0.000
	January - June 2008[2]	128,762	0.000	0.000
	July - December 2008[5]	191,460	0.000	0.000
	January - June 2009[6]	311,901	350.095	134.5
	July - December 2009	290,448	0.004	0.002
	January - June 2010[7]	92,511	0.001	0.002
	July - December 2010[8]	32,515	0.000	0.000
	Cumulative Results	1,048,329	350.100	--
RW-0501-S2B	July - December 2007[1]	3,788	0.000	0.001
	January - June 2008[2]	76,003	0.308	0.486
	July - December 2008[5]	103,834	0.631	0.729
	January - June 2009[6]	160,610	0.926	0.691
	July - December 2009	307,894	3.520	1.370
	January - June 2010[7]	80,705	0.688	1.021
	July - December 2010[8]	286,550	1.487	0.622
	Cumulative Results	1,019,384	7.561	--
RW-0602-S3	July - December 2007[1]	9,463	0.000	0.000
	January - June 2008[2]	410,288	0.000	0.000
	July - December 2008[5]	233,951	0.000	0.000
	January - June 2009[6]	414,080	0.008	0.002
	July - December 2009	666,002	0.006	0.001
	January - June 2010[7]	439,214	0.004	0.001
	July - December 2010[8]	261,597	0.000	0.000
	Cumulative Results	2,434,595	0.017	--
RW-0602-S2A/S2B	July - December 2007[1]	10,048	0.000	0.000
	January - June 2008[2]	411,959	0.032	0.009
	July - December 2008[5]	198,912	0.000	0.000
	January - June 2009[6]	274,456	0.164	0.072
	July - December 2009	217,227	1.840	1.015
	January - June 2010[7]	51	0.000	1.034
	July - December 2010[8]	97,673	0.031	0.038
	Cumulative Results	1,210,326	2.067	--
RW-0502-S2B	July - December 2007[1]	8,968	0.000	0.000
	January - June 2008[2]	210,467	0.000	0.000
	July - December 2008[5]	157,347	0.000	0.000
	January - June 2009[6]	249,254	0.000	0.000
	July - December 2009	330,586	0.000	0.000
	January - June 2010[7]	177,789	0.000	0.000
	July - December 2010[8]	108,008	0.000	0.000
	Cumulative Results	1,242,419	0.000	--
RW-0201-S2A	July - December 2007[1]	37	0.020	64.400
	January - June 2008[2]	13	0.010	89.800
	July - December 2008[5]	21	0.015	85.070
	January - June 2009[6]	31	0.015	58.300
	July - December 2009	0	0.000	64.300

Table 13. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010 (July 2010 - December 2010) Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
	January - June 2010[7]	0	0.000	43.150
	July - December 2010[8]	704	0.146	24.900
	Cumulative Results	806	0.206	--
RW-0202-S2A	July - December 2007[1]	35	0.048	164.000
	January - June 2008[2]	615	0.847	165.000
	July - December 2008[5]	121	0.142	140.500
	January - June 2009[6]	13	0.013	118.000
	July - December 2009	524	0.340	77.850
	January - June 2010[7]	0	0.000	55.800
	July - December 2010[8]	794	0.184	27.700
	Cumulative Results	2,102	1.573	--
RW-0203-S2A	July - December 2007[1]	21,167	15.209	86.100
	January - June 2008[2]	227,507	119.044	62.700
	July - December 2008[5]	77,739	70.391	108.500
	January - June 2009[6]	318,415	140.969	53.050
	July - December 2009	900,353	266.364	35.450
	January - June 2010[7]	124,042	26.086	25.200
	July - December 2010[8]	150,347	13.551	10.800
	Cumulative Results	1,819,570	651.615	--
RW-0204-S2A/ RW-0205-S2A	July - December 2007[1]	31,157	15.887	61.100
	January - June 2008[2]	154,128	53.444	41.550
	July - December 2008[5]	81,385	58.206	85.700
	January - June 2009[6]	179,426	78.088	52.150
	July - December 2009	190,481	72.646	45.700
	January - June 2010[7]	269,075	87.576	39.000
	July - December 2010[8]	1,534	0.280	21.900
	Cumulative Results	907,186	366.128	--
RW-0605-S3	July - December 2007[1]	49	0.036	87.400
	January - June 2008[2]	1,209	0.694	68.800
	July - December 2008[5]	219,899	119.743	65.250
	January - June 2009[6]	71,027	34.646	58.450
	July - December 2009	168,745	50.204	35.650
	January - June 2010[7]	789,425	215.759	32.750
	July - December 2010[8]	669	0.121	21.700
	Cumulative Results	1,251,023	421.202	--

Total Volume of Water Pumped[3] =	**14,163,280**	**gal**
Average Gallons/Day Pumped[4] =	**12,578**	**gal**
Total PCE Removed (lbs)[3]=	**1,800.5**	**lbs**
Total PCE Removed (gal) [3] =	**132.8**	**gal**
Total PCE Removed for Current Time Period =	**15.8**	**lbs**
Total PCE Removed for Current Time Period =	**1.2**	**gal**

Notes:

Values presented above are estimates. Flowmeters for individual wells are not calibrated annually. Additionally, due to low flow rates, the appropriately sized flow meters are small diameter, therefore small flow meter orifices, which are prone to fouling, which stops data collection until cleaning. Therefore, the values presented are typically under-reporting the total volume of fluids processed.

1.) VOC concentrations reported for samples collected on 12/12/07.
2.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on 3/4/08 and 6/3/08.
3.) Between 11/5/03 and 2/15/05, approximately 38,868 gallons of water and approximately 60.87 lbs of PCE were removed (primarily from RW-0202-S2A) - value does not include data prior to 2007.

The system was upgraded and restarted in November 2007. Data presented is based on individual well flowmeters which have historically underrepresented total flow (due to flowmeter fouling,etc.)

4.) Average gallons/day pumped since system restarted in November 2007.
5.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on 8/11/08 and 11/3/2008.
6.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on 02/10/09 and 06/16/09. *Analytical data collected 1/25/2008 for RW-0603-S2B.
7.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on11/16/09 and 06/08/10.
8.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 06/08/10.

Table 14. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
1/21/2003	NM	NM	NM	NM	NM	NM	--	0.00
2/26/2003	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	NM	NM	NM	--	0.90
3/26/2003	NM	NM	NM	NM	NM	NM	--	0.90
4/22/2003	NM	NM	NM	NM	NM	NM	--	0.90
5/13/2003, 5/22/2003	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	1.80
6/20/2003	Not Saturated	Not Saturated	100% saturated, sock changed-out	NM	NM	NM	--	2.10
7/31/03, 8/1/2003	Not Saturated	Not Saturated	100% saturated, sock changed-out	NM	NM	NM	--	2.40
9/18/2003[3]	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	NM	NM	NM	--	3.30
10/21/2003	80% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	4.08
11/13/2003	10% saturated, sock changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	4.64
12/17/2003	90% saturated, sock changed-out	100% saturated, sock changed-out	90% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	5.48
Hydrocarbons Recovered[5] 2003 (gal)	**1.44**	**1.67**	**2.37**	**0.00**	**0.00**	**0.00**	**0.00**	**5.48**
1/21/2004	Not Saturated	Not Saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	0.30
2/24/2004	10% saturated	10% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.60
3/23/2004	30% saturated	30% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.90
4/23/2004	50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.65
5/19/20046	sock removed for sampling	sock removed for sampling	sock removed for sampling	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.65
6/24/2004	sock installed	sock installed	sock installed	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.65
7/26/2004	10% saturated	10% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.95
8/31/2004	20% saturated	100% saturated, sock changed-out	80% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.49
9/30/2004	20% saturated	40% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.79
10/28/2004	20% saturated	80% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.33
11/24/2004	20% saturated	80% saturated sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.87
12/7/2004	20% saturated	10% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	4.17
Hydrocarbons Recovered[5] 2004 (gal)	**0.15**	**1.08**	**2.94**	**0.00**	**0.00**	**0.00**	**0.00**	**4.17**
1/31/2005	25% saturated	75% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.53
2/24/2005	25% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.83
3/29/2005	30% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.13
4/28/2005	30% saturated	30% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.43
5/31/2005	50% saturated, sock changed-out	30% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.88
6/30/2005	10% saturated	30% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.18
7/29/2005	40% saturated	70% saturated, sock changed-out	70% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.60
8/31/2005	40% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.90

Table 14. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
9/30/2005	50% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.50
10/31/2005	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	4.40
11/29/2005	75% saturated, sock changed-out	75% saturated, sock changed-out	75% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	5.07
12/22/2005	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	5.97
Hydrocarbons Recovered[5] 2005 (gal)	**1.13**	**1.41**	**3.44**	**0.00**	**0.00**	**0.00**	**0.00**	**5.97**
1/31/2006	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.90
2/28/2006	50% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.20
3/30/2006	75% saturated, sock changed-out	30% saturated, sock changed-out	50% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.67
4/28/2006	25% saturated	50% saturated	75% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.89
5/30/2006	50% saturated	75% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.42
6/26/2006	75% saturated, sock changed-out	10% saturated, sock changed-out	25% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.75
8/16/2006	--	--	--	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.75
8/29/2006	--	10% saturated	5% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.75
9/26/2006	50% saturated, sock changed-out	20% saturated	15% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.90
10/18/2006	10% saturated	no LNAPL present in well	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.20
11/23/2006	5% saturated	1% saturated	10% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.20
12/18/2006	10% saturated	10% saturated	10% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.20
Hydrocarbons Recovered[5] 2006 (gal)	**0.90**	**0.65**	**1.65**	**0.00**	**0.00**	**0.00**	**0.00**	**3.20**
1/16/2007	70% saturated, sock changed-out	10% saturated	5% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.21
2/22/2007	35% saturated	20% saturated	15% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.21
3/20/2007	30% saturated	20% saturated	20% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.27
4/24/2007	30% saturated	35% saturated, sock changed-out	5% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.38
5/17/2007	50% saturated, sock changed-out	5% saturated	10% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.53
6/26/2007	40% saturated	25% saturated	20% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.53
7/24/2007	NM	NM	NM	NM	NM	NM	NM	0.53
8/20/2007	NM	NM	NM	NM	NM	NM	NM	0.53
9/20/2007	NM	NM	NM	NM	NM	NM	NM	0.53
10/22/2007	NM	NM	NM	NM	NM	NM	NM	0.53
11/15/2007	NM	NM	NM	NM	NM	NM	NM	0.53
12/13/2007	10% saturated	5% saturated	80% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.77
Hydrocarbons Recovered[5] 2007 (gal)	**0.36**	**0.11**	**0.30**	**0.00**	**0.00**	**0.00**	**0.00**	**0.77**
1/18/2008	no LNAPL present in well	25% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.38
5/7/2008	no LNAPL present in well	10% saturated	25% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.38
9/16/2008	10% saturated	90% saturated, sock changed-out	90% saturated, sock changed-out	NM	NM	NM	NM	0.92
12/10/2008	10% saturated, sock changed-out	no LNAPL present in well	5% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.96

Table 14. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2010. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2010 (January 2010 - June 2010), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
Hydrocarbons Recovered[5] 2008 (gal)	**0.03**	**0.35**	**0.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.96**
4/5/2009	0% saturated, sock not changed-out	no LNAPL present in well	0% saturated, sock changed out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.00
9/25/2009	0% saturated, sock not changed-out	no LNAPL present in well	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.60
11/2/2009	0% saturated, sock changed-out	no LNAPL present in well	100% saturated, 50% saturated, sock changed out, reinstalled 2 socks	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.05
12/18/2009	0% saturated, sock not changed-out	NM	NM	NM	NM	NM	NM	1.05
Hydrocarbons Recovered[5] 2009 (gal)	**0.00**	**0.00**	**1.05**	**0.00**	**0.00**	**0.00**	**0.00**	**1.05**
1/14/2010	0% saturated, sock not changed-out	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	0.60
2/22/2010	0% saturated, sock not changed-out	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	1.20
3/23/2010	50% saturated, sock changed-out	NM	100% saturated, 0% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	1.65
5/24/2010	50% saturated, sock changed-out	NM	100% saturated, 50% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	2.25
7/14/2010	50% saturated	NM	100% saturated, 30% saturated	NM	NM	NM	NM	2.79
10/8/2010	25% saturated, sock changed-out	NM	100% saturated, 50% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	3.32
11/18/2010	No sock in well	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	3.92
12/2/2010	No sock in well, installed 1 sock	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	4.52
Hydrocarbons Recovered[5] 2010 (gal)	**0.53**	**0.00**	**3.99**	**0.00**	**0.00**	**0.00**	**0.00**	**4.52**

Total Hydrocarbons Recovered (gallons) 26.10

Notes:
LNAPL = Light non-aqueous phase liquid.
NM = not measured.
1.) List of all monitoring wells containing absorbent socks in Transmission Test Cell Area.
2.) Monitoring well socks checked on a semi-annual basis (Effective second half 2007).
3.) Began noting absorbent sock % of LNAPL saturation (if less than 100%).
5.) According to the manufacturer, 12 ounces of the polymer contained in the absorbent socks absorbs approximately a half-gallon of hydrocarbon.
The monitoring well socks used contain approximately six to eight ounces of polymer each. Therefore, on average, each monitoring well socks contains: 0.3 gallons hydrocarbons.
6.) Socks removed prior to semi-annual groundwater sampling, however, no record of percent of LNAPL saturation. Socks reinstalled in April during O&M.

SYMBOLS

MW-0517-S1	S1	MONITORING WELL
MW-0517-S2	S2	MONITORING WELL
MW-0517-S3	S3	MONITORING WELL
MW-0517-S4	S4	MONITORING WELL
RW-0201-S2		RECOVERY WELL
RW-0201-S3		RECOVERY WELL
SB-64-1001		PIEZOMETER MONITORING WELL
BW9		DIESEL FUEL PLUME RECOVERY WELL
OSBW-3		ABANDONED DIESEL FUEL RECOVERY WELL
		PROPERTY BOUNDARY
		BUILDING OUTLINE
AOI 40		AREA OF INTEREST

SAMPLE LOCATION

MW-0403-S2B	5/13/2008	5/20/2010	11/1/2010
	mg/l	mg/l	mg/l
	Groundwater	Groundwater	Groundwater
VOC			
Benzene	0.05 U	0.5 U/0.5 U	0.005 U/0.005 U
Chloroethane	0.05 U	0.5 U/0.5 U	0.005 U/0.005 U
1,2-Dichloroethane	0.05 U	0.5 U/0.5 U	0.005 U/0.005 U
1,1-Dichloroethene	0.05 U	0.5 U/0.5 U	0.005 U/0.0073
cis-1,2-Dichloroethene	0.181 U	0.5 U/0.5 U	0.21 J/0.005 UJ
Tetrachloroethene	48.8	49.6 J/58.3 J	0.0545 J/57.5 J
Trichloroethene	1.66	1.89/1.87	0.0029 J/3.24 J
Vinyl Chloride	0.0368 U	0.2 U/0.2 U	0.0042/0.002 U
Xylenes (total)	0.1 U	1 U/1 U	0.01 U/0.01 U

ANALYTICAL PARAMETER

SAMPLE DATE
UNITS
MATRIX
RESULTS
RESULTS EXCEEDING SCREENING CRITERIA ARE HIGHLIGHTED IN GREEN
DATA QUALIFIER

DEFINITIONS

S1 Saturated or Unsaturated Sand Unit encountered from
1 to 16.5 feet below ground surface (BGS) with a clay underneath and where saturated, it is considered perched.
S1 ranges in thicknes from 14 to 16 feet.

S2 Saturated Sand Unit ranges from ranges in thickness of 6 to 43.5 (ft).

S2 may be subdivided into units S2A or S2B if a clay is present that divides the S2 unit.

S2A is encountered from 16.5 to 34 feet BGS and ranges in thicknes from 4.5 to 15.5 feet.
S2B is encountered from 15 to 48.5 feet BGS and ranges in thicknes from 3 to 20 feet.
If S2B is present, then the saturated unit above the till is named S2A.
If S2B is not present, then the saturated unit above the till is named S2.

S3 Saturated Sand Unit typically encountered from 37 to 76 feet BGS and ranges in thicknes from 2.6 to 24.5 feet.

S4 Saturated Sand Unit typically encountered from 89 to 110 feet BGS and ranges in thicknes from 4 to 10.5 feet.

T Saturated Till Unit encountered at 32 feet BGS at monitoring well MW-0204-T.
1 to 16.5 feet below ground surface (BGS) with a clay underneath and where saturated, it is considered perched.

DATABOX INFORMATION

NS - Not analyzed for the specific constituent.

Water Analytical Results (mg/L)

Databoxes include constituents that were detected above screening criteria (Region 9 Industrial PRGs with a target cancer risk of 1 E-6 and a hazard quotient of 1) in one or more samples collected at the Site, except for the following:

- constituents with concentrations that exceed criteria in only borehole water samples; and
- constituents that are believed to be unrelated to the Facility and/or were detected only infrequently at low levels.

DATA QUALIFIERS

R - Rejected
U - Analyte/Compound was analyzed for but not detected.
UJ - Quantitation limit qualified as estimate.

NOTES

695.17 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
696.76* GROUNDWATER ELEVATION ADJUSTED BASED ON LNAPL PRESENT
POTENTIOMETRIC SURFACE (1 FT CONTOUR INTERVAL)
NM NOT MEASURED
SURFACE WATER GAUGING LOCATION
S2A UNIT EITHER NOT SATURATED OR NOT PRESENT

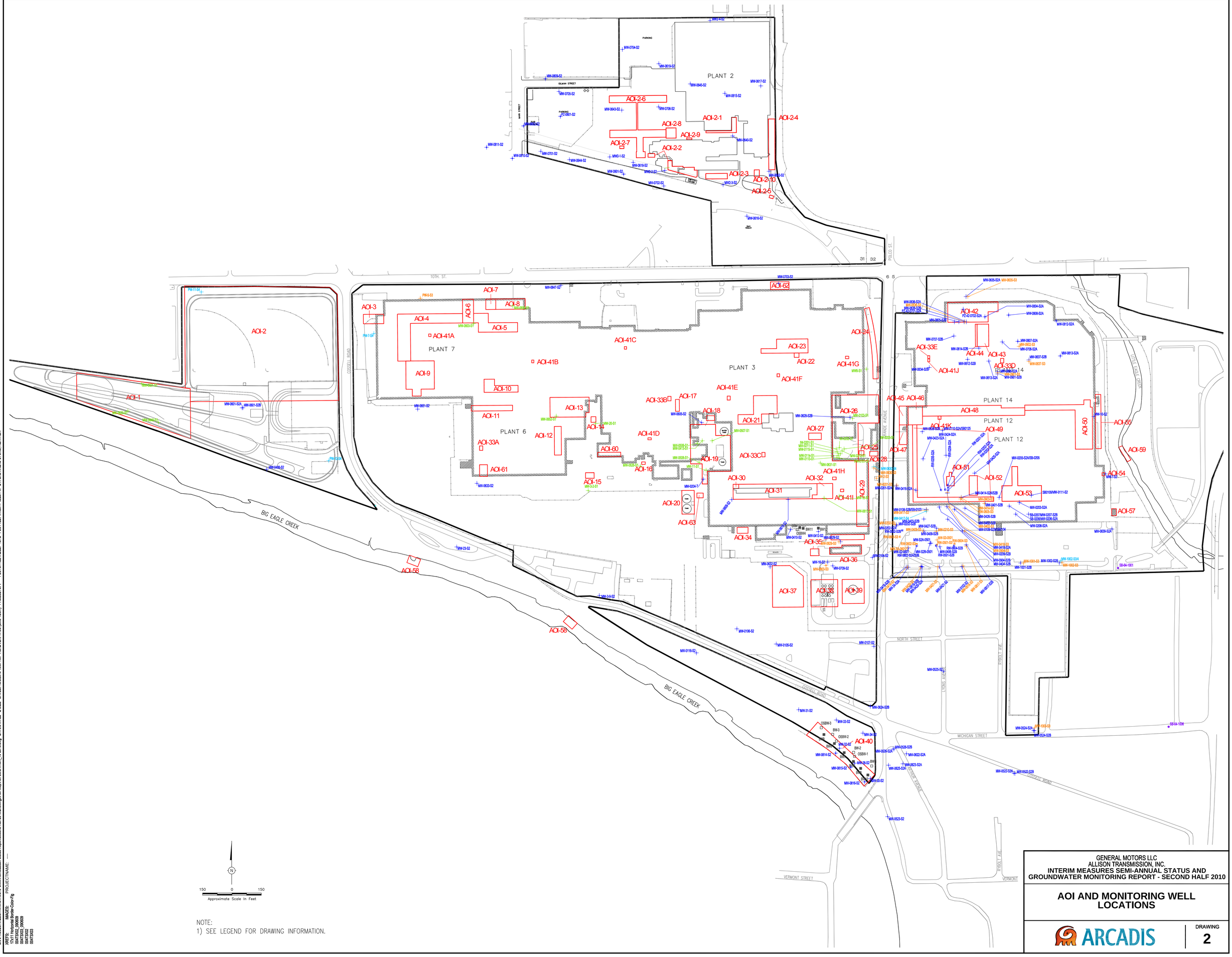
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - SECOND HALF 2010

LEGEND

ARCADIS

DRAWING 1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)(N=*;OFF=REF*
G:\APR\OJECT\VALLSTRN\M0475\0018-OM\M\Remediation Status Report\Second Half 2010\Drawings\Drawing_legend_110107.dwg LAYOUT:1 SAVED: 1/7/2011 12:20 PM ACADVER: 17.0S (LMS TECH) PAGESETUP:-- PLOTSTYLETABLE:--.CTB PLOTTED: 1/7/2011 12:21 PM BY: GASTINEAU-LYONS, HEATHER
XREFS:
IMAGES:
IN000M79-BASE_2009_GM&Rodor Logo.JPG



NOTE:
1) SEE LEGEND FOR DRAWING INFORMATION.

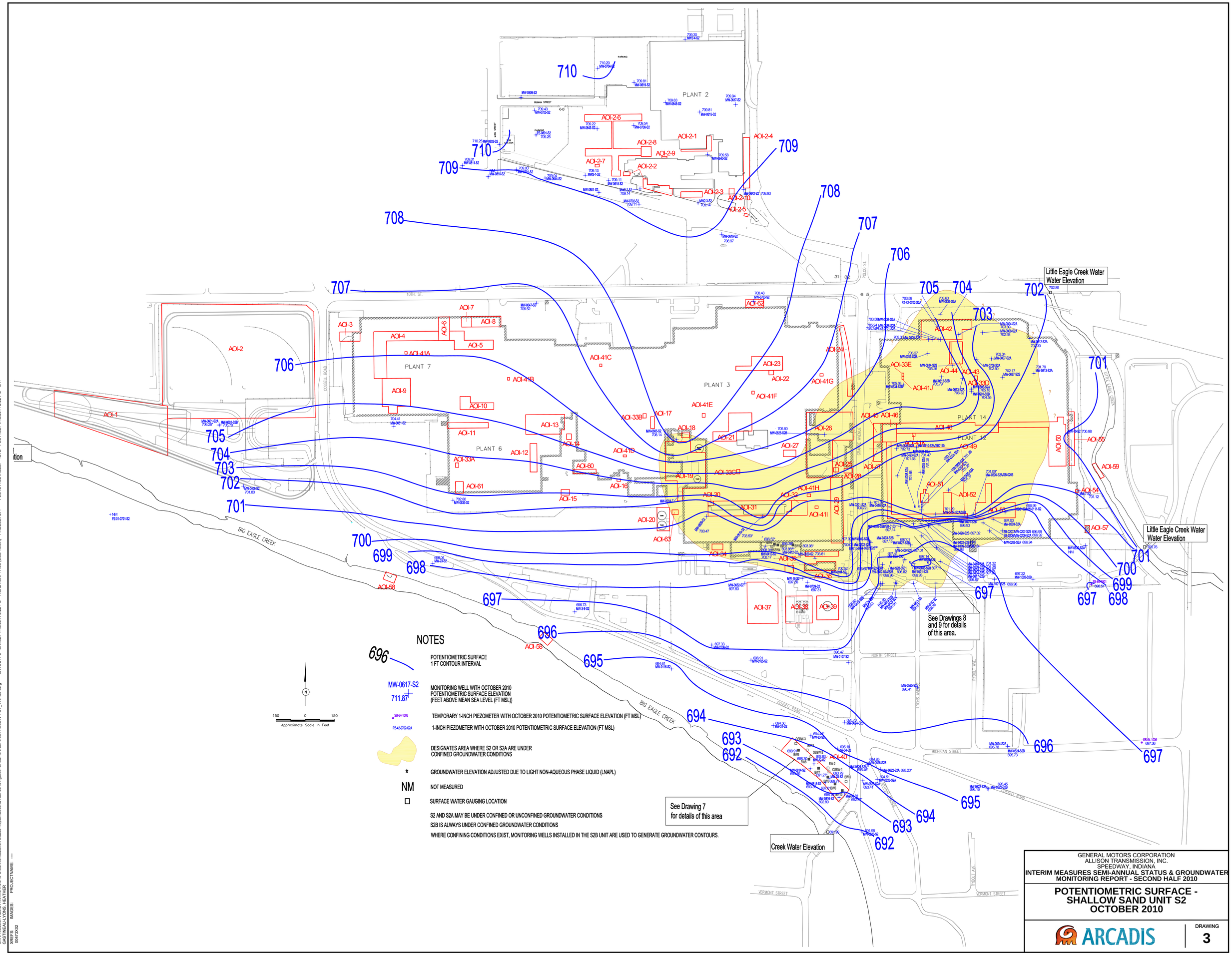
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - SECOND HALF 2010

AOI AND MONITORING WELL LOCATIONS

ARCADIS

DRAWING 2

CITY:(Req'd) DIV/GROUP:(Req'd) DB:(Req'd) LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\PROJECT\ALLISTRN\WA7301\9-GW\Remediation Status Report\Second Half 2010\Drawings\AOI Map\AOI LOCATION_10-2010.dwg LAYOUT: ALL - E SIZE SAVED: 10/6/2010 10:07 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- CTB PLOTTED: 1/7/2011 12:23 PM BY: GASTINEAU-LYONS, HEATHER
XREFs:
IMAGES:
PROJECTNAME: ----
17411 Honda Base-Color-Pg
0047302_090909
0047303_090909
0047302
0047303



CITY:(Read) DIV/GROUP:(Read) DB:(Read) LD:(Opt) PIC:(Opt) PM:(Read) TM:(Opt) LYR:(On|Off|*Ref*)
G:\ARCADIS\TOTAL ENVIRONMENT\2010\19-GM\Remediation Status Report\Second Half 2010\figures for Sid to work on\SHALLOW PIOT_110103.dwg LAYOUT: 3 SAVED: 1/13/2011 2:22 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---.CTB PLOTTED: 1/13/2011 2:22 PM BY: GASTINEAU-LYONS, HEATHER
XREFS: IMAGES: PROJECTNAME: ----
00472X02

CITY: SYRACUSE DIV/GROUP: ENV/141 DB: GMS KFS LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF,|-large-00-SB,|-large-0203-SA,|-large-0203-SA-BMT,|-large-1974,|-large-S,|-large-SB-0202,|-large-SB-0401,|-large-SB-0901,|-large-SB-0902,|-large-SB-ELECTROPLATING,
|-large-SB-historical,|-large-soil-2004,|-large-Test-cell-borings,|-large datagap 1st phase,|-large firelineL,|-large may 2008 locations,|-large RFI background,|-large RFI handaugerr,|-large rfi sb,|-large RFI Soilboring Phase III,|-large SB Phase II,|-RFI Phase II SB,|-SMALL-AOI 19 excavation locations,|-small sb may
2008,|STAGE II 2008 SOIL BORINGS LAYOUT: 4 SAVED: 1/6/2011 1:52 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: C-LD-PDF-CONV PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/6/2011 1:57 PM BY: STOWELL, GARY
G:\ENVCAD\SYRACUSE\ACTIN\00047300200\00013\DWG\00473C16.DWG
PROJECTNAME: ----
IMAGES:
XREFS:
00473X00
00473X03
00473X02

MW-0409-S2B	5/14/2008 mg/l Groundwater	10/29/2008 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
Chloroethane	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
1,2-Dichloroethane	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.0053J/0.005 U	0.005 U	0.005 U/0.005 U
cis-1,2-Dichloroethene	0.0558/0.0396	0.0978/0.114	0.0614	0.06740.068
Tetrachloroethene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
Trichloroethene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.0018 J/0.002 J
Vinyl Chloride	0.0144/0.0133	0.0564/0.0484	0.002 U	0.0016 J/0.0016 J
Xylenes (total)	0.01 U/0.01 U	0.01 U/0.01 U	0.01 U	0.01 U/0.01 U

MW-0403-S2B	5/13/2008 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC			
Benzene	0.05 U	0.5 U/0.5 U	0.005 U/0.005 U
Chloroethane	0.05 U	0.5 U/0.5 U	0.005 U/0.005 U
1,2-Dichloroethane	0.05 U	0.5 U/0.5 U	0.005 U/0.005 U
1,1-Dichloroethene	0.05 U	0.5 U/0.5 U	0.005 U/0.0073
cis-1,2-Dichloroethene	0.181 U	0.5 U/0.5 U	0.21 J/0.005 UJ
Tetrachloroethene	46.8	49.6 J/58.3 J	0.0545 J/57.5 J
Trichloroethene	1.66	1.89 J/1.87	0.0029 J/3.24 J
Vinyl Chloride	0.0368 U	0.2 U/0.2 U	0.0042 J/0.002 U
Xylenes (total)	0.1 U	1 U/1 U	0.01 U/0.01 U

MW-0416-S2A	5/15/2008 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U/0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U/0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U/0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U/0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0039 J	0.005 U/0.005 U	0.005 U
Tetrachloroethene	0.0174	0.005 U/0.005 U	0.005 U
Trichloroethene	0.004 J	0.005 U/0.005 U	0.005 U
Vinyl Chloride	0.0055	0.014/0.0024	0.0058
Xylenes (total)	0.01 U	0.01 U/0.01 U	0.01 U

MW-0417-S3	1/23/2006 mg/l Groundwater	5/13/2008 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.045	0.203 U	0.119	0.156
Tetrachloroethene	0.12	0.636	0.51 J	0.792
Trichloroethene	0.081	0.632	0.48	0.738
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.0031
Xylenes (total)	0.005 U	0.01 U	0.01 U	0.01 U

MW-0426-S2B	5/14/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0903-S3	8/6/2009 mg/l Groundwater	11/9/2009 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U

MW-0904-S2B	8/6/2009 mg/l Groundwater	11/5/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U/0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U/0.002 U	0.002 U/0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U/0.01 U	0.01 U/0.01 U	0.01 U	0.01 U

MW-0904-S3	8/6/2009 mg/l Groundwater	11/5/2009 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U

MW-S3-0501	5/14/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.0059	0.005 U	0.005 U	0.0058
cis-1,2-Dichloroethene	0.003 J	0.0025 J	0.0171	0.0593
Tetrachloroethene	0.162	0.0781	0.274 J	2.03
Trichloroethene	0.005 U	0.0418	0.0562	0.159
Vinyl Chloride	0.002 U	0.0034	0.002 U	0.0036
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0817-S2B	11/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 UJ	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 UJ	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0817-S3	11/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0406-S2B	10/29/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U/0.005 U	0.005 U	0.0027 J
cis-1,2-Dichloroethene	0.005 U	0.005 U/0.005 U	0.0074	0.0035 J
Tetrachloroethene	0.005 U	0.007/0.0073	0.005 U	0.0026 J
Trichloroethene	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U/0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U/0.01 U	0.01 U	0.01 U

MW-0202-S3	10/28/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0102	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0202-S2B	10/28/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.01	0.0055	0.0037 J
Tetrachloroethene	0.005 U	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.0034	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0202-S2A	10/28/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/24/2010 mg/l Groundwater	11/18/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-S2B-0501	10/29/2008 mg/l Groundwater	4/6/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.0052	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0154	0.0719	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.0293	0.0339	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-S3-0601	5/12/2008 mg/l Groundwater	4/6/2009 mg/l Groundwater	5/20/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.0059	0.0042 J
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0419-S2B	4/10/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	7/19/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0419-S3	4/10/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	7/19/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0819-S2B	4/6/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	7/19/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.001 J
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0420-S3	5/13/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0421-S3	5/13/2008 mg/l Groundwater	4/6/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0421-S2	10/28/2008 mg/l Groundwater	4/6/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0102-S2	5/21/2010 mg/l Groundwater	7/19/2010 mg/l Groundwater	8/9/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U/0.005 U	0.005 UJ	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.024	0.0034 J/0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U/0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.0436	0.002 U/0.002 U	0.002 U	0.0027
Xylenes (total)	0.01 U	0.01 U/0.01 U	0.01 U	0.01 U

MW-0818-S3	4/6/2009 mg/l Groundwater	8/5/2009 mg/l Groundwater	5/21/2010 mg/l Groundwater	11/1/2010 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 100' 200'
GRAPHIC SCALE

GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA

INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - SECOND HALF 2010

VOC ANALYTICAL RESULTS - AOI 51

ARCADIS

DRAWING 4

CITY:SYRACUSEDIV/GROUP-ENV/141DB:GMSKFSLD:(Opt)PIC:(Opt)PM:(Reqd)TM:(Opt)LYR:(Opt)ON=*;OFF=*REF;|-large-00-SB,|-large-0203-SA,|-large-0203-SA-BMT,|-large-1974,|-large-S,|-large-SB-0202,|-large-SB-0401,|-large-SB-0901,|-large-SB-0902,|-large-SB-ELECTROPLATING,
|-large-SB-historical,|-large-soil-2004,|-large-Test-cell-borings,|-largedatagap1stphase,|-largefreline,|-largemay2008locations,|-largeRFIbackground,|-largerfihandauger,|-largerfisb,|-largeRFISoilboringPhaseIII,|-largeSBPhaseII,|-RFIPhaseIISB,|;SMALL-AOI19excavationlocations,|;smallsbmay
2008,|STAGEII2008SOILBORINGS
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XREFS: IMAGES: PROJECTNAME: ----
00473X00
00473X03
00473X02

MW-0413–S1	
	Product Thickness (ft)
11/4/2010	0.72

MW-0605–S2	
	Product Thickness (ft)
5/24/2010	--
10/14/2010	--

MW-0507–S1	
	Product Thickness (ft)
5/24/2010	--

MW-0401–S2B	
	Product Thickness (ft)
2/22/2010	--
4/30/2010	--
10/14/2010	--
12/6/2010	--

MW-0205–S2A *	
	Product Thickness (ft)
2/22/2010	1.68
3/23/2010	1.83
4/30/2010	0.86
5/24/2010	2.0
8/23/2010	--
10/14/2010	1.83
11/18/2010	1.9
12/6/2010	0.99

MW-0206–S2A	
	Product Thickness (ft)
2/22/2010	--
4/30/2010	--
8/23/2010	--
10/14/2010	--
12/6/2010	--

MW-0203–S2A	
	Product Thickness (ft)
2/22/2010	--
4/30/2010	--
8/23/2010	--
10/14/2010	--
12/6/2010	--

MW-0506–S1	
	Product Thickness (ft)
10/14/2010	--

MW-0508–S1	
	Product Thickness (ft)
5/24/2010	--
10/14/2010	--

MW-11–S1	
	Product Thickness (ft)
5/24/2010	--
10/14/2010	--

MW-0204–T	
	Product Thickness (ft)
9/25/2009	NM
11/2/2009	--

MW-0111–S2 *	
	Product Thickness (ft)
2/22/2010	GLOBULES
3/23/2010	GLOBULES
4/30/2010	--
5/24/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	0.01

MW-0208–S2A	
	Product Thickness (ft)
2/22/2010	--
4/30/2010	--
8/23/2010	--
10/14/2010	--
12/6/2010	--

MW-0207–S2B	
	Product Thickness (ft)
2/22/2010	--
4/30/2010	--
8/23/2010	--
10/14/2010	--
12/6/2010	--

NOTES:

MW-0605–S2	
	Product Thickness (ft)
5/24/2010	--
10/14/2010	--

LOCATION NAME

FEET

PRODUCT THICKNESS OBSERVED

DATE

-- NO PRODUCT OBSERVED

NM NOT MEASURED

* ABSORBENT SOCK PRESENT IN WELL

OBSERVED LNAPL LOCATIONS

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

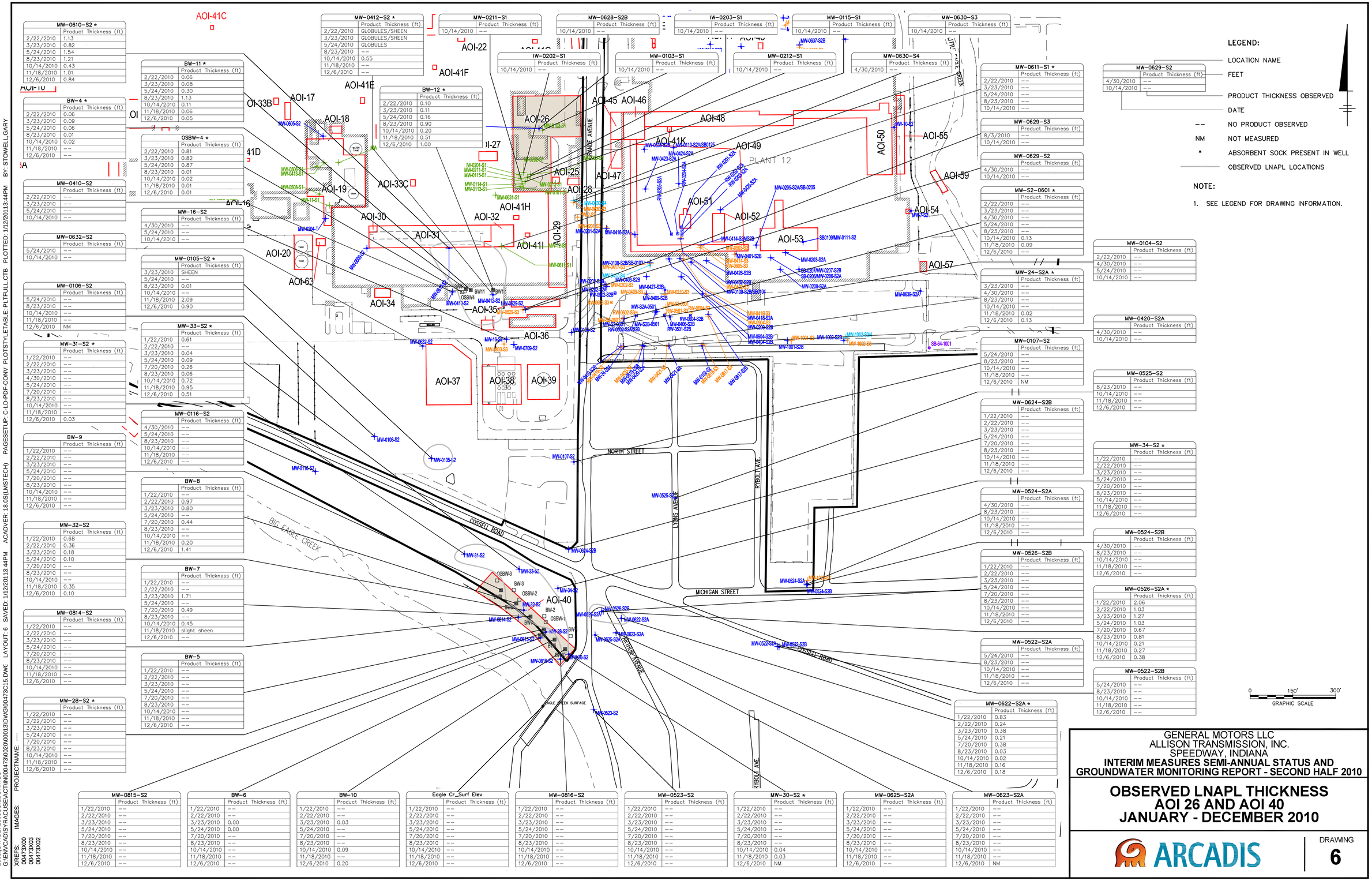
0 150' 300'
GRAPHIC SCALE

GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - SECOND HALF 2010

OBSERVED LNAPL THICKNESS AOI 19 AND AOI 53 JANUARY - DECEMBER 2010

ARCADIS

DRAWING 5



MW-0610-S2 *	
	Product Thickness (ft)
2/22/2010	1.13
3/23/2010	0.82
5/24/2010	1.54
8/23/2010	1.21
10/14/2010	0.43
11/18/2010	1.01
12/6/2010	0.84

BW-4 *	
	Product Thickness (ft)
2/22/2010	0.06
3/23/2010	0.09
5/24/2010	0.06
8/23/2010	0.01
10/14/2010	0.02
11/18/2010	--
12/6/2010	--

MW-0410-S2	
	Product Thickness (ft)
2/22/2010	--
3/23/2010	--
5/24/2010	--
10/14/2010	--

MW-0632-S2	
	Product Thickness (ft)
5/24/2010	--
10/14/2010	--

MW-0106-S2	
	Product Thickness (ft)
5/24/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	NM

MW-31-S2 *	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
4/30/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	0.03

BW-9	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-32-S2	
	Product Thickness (ft)
1/22/2010	0.68
2/22/2010	0.36
3/23/2010	0.18
5/24/2010	0.10
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	0.35
12/6/2010	0.10

MW-0814-S2	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-28-S2 *	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

BW-11 *	
	Product Thickness (ft)
2/22/2010	0.06
3/23/2010	0.08
5/24/2010	0.30
8/23/2010	1.13
10/14/2010	0.11
11/18/2010	0.06
12/6/2010	0.05

OSBW-4 *	
	Product Thickness (ft)
2/22/2010	0.81
3/23/2010	0.82
5/24/2010	0.87
8/23/2010	0.01
10/14/2010	0.02
11/18/2010	0.01
12/6/2010	0.01

MW-16-S2	
	Product Thickness (ft)
4/30/2010	--
5/24/2010	--
10/14/2010	--

MW-0105-S2 *	
	Product Thickness (ft)
3/23/2010	SHEEN
5/24/2010	--
8/23/2010	0.01
10/14/2010	--
11/18/2010	2.09
12/6/2010	0.90

MW-33-S2 *	
	Product Thickness (ft)
1/22/2010	0.61
2/22/2010	--
3/23/2010	0.04
5/24/2010	0.09
7/20/2010	0.26
8/23/2010	0.06
10/14/2010	0.72
11/18/2010	0.95
12/6/2010	0.51

MW-0116-S2	
	Product Thickness (ft)
4/30/2010	--
5/24/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

BW-8	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	0.97
3/23/2010	0.80
5/24/2010	--
7/20/2010	0.44
8/23/2010	--
10/14/2010	--
11/18/2010	0.20
12/6/2010	1.41

BW-7	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	1.71
5/24/2010	--
7/20/2010	0.49
8/23/2010	--
10/14/2010	0.45
11/18/2010	slight sheen
12/6/2010	--

BW-5	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0412-S2 *	
	Product Thickness (ft)
2/22/2010	GLOBULES/SHEEN
3/23/2010	GLOBULES/SHEEN
5/24/2010	GLOBULES
8/23/2010	--
10/14/2010	0.55
11/18/2010	--
12/6/2010	--

BW-12 *	
	Product Thickness (ft)
2/22/2010	0.10
3/23/2010	0.11
5/24/2010	0.16
8/23/2010	0.90
10/14/2010	0.20
11/18/2010	0.51
12/6/2010	1.00

MW-0211-S1	
	Product Thickness (ft)
10/14/2010	--

IW-0202-S1	
	Product Thickness (ft)
10/14/2010	--

MW-0628-S2B	
	Product Thickness (ft)
10/14/2010	--

MW-0103-S1	
	Product Thickness (ft)
10/14/2010	--

IW-0203-S1	
	Product Thickness (ft)
10/14/2010	--

MW-0212-S1	
	Product Thickness (ft)
10/14/2010	--

MW-0115-S1	
	Product Thickness (ft)
10/14/2010	--

MW-0630-S4	
	Product Thickness (ft)
4/30/2010	--

MW-0630-S3	
	Product Thickness (ft)
10/14/2010	--

MW-0611-S1 *	
	Product Thickness (ft)
2/22/2010	--
3/23/2010	--
5/24/2010	--
8/23/2010	--
10/14/2010	--

MW-0629-S3	
	Product Thickness (ft)
8/3/2010	--
10/14/2010	--

MW-0629-S2	
	Product Thickness (ft)
4/30/2010	--
10/14/2010	--

MW-S2-0601 *	
	Product Thickness (ft)
2/22/2010	--
3/23/2010	--
4/30/2010	--
5/24/2010	--
8/23/2010	--
10/14/2010	0.13
11/18/2010	0.09
12/6/2010	--

MW-24-S2A *	
	Product Thickness (ft)
3/23/2010	--
4/30/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	0.02
12/6/2010	0.13

MW-0107-S2	
	Product Thickness (ft)
5/24/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	NM

MW-0624-S2B	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0524-S2A	
	Product Thickness (ft)
4/30/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0526-S2B	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0522-S2A	
	Product Thickness (ft)
5/24/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0622-S2A *	
	Product Thickness (ft)
1/22/2010	0.83
2/22/2010	0.24
3/23/2010	0.38
5/24/2010	0.21
7/20/2010	0.38
8/23/2010	0.03
10/14/2010	0.02
11/18/2010	0.16
12/6/2010	0.18

MW-0629-S2	
	Product Thickness (ft)
4/30/2010	--
10/14/2010	--

PRODUCT THICKNESS OBSERVED

DATE

MW-0104-S2	
	Product Thickness (ft)
2/22/2010	--
4/30/2010	--
5/24/2010	--
10/14/2010	--

MW-0420-S2A	
	Product Thickness (ft)
4/30/2010	--
10/14/2010	--

MW-0525-S2	
	Product Thickness (ft)
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-34-S2 *	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0524-S2B	
	Product Thickness (ft)
4/30/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0526-S2A *	
	Product Thickness (ft)
1/22/2010	2.06
2/22/2010	1.03
3/23/2010	1.27
5/24/2010	1.03
7/20/2010	0.67
8/23/2010	0.81
10/14/2010	0.21
11/18/2010	0.27
12/6/2010	0.38

MW-0522-S2B	
	Product Thickness (ft)
5/24/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0815-S2	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

BW-6	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	0.00
5/24/2010	0.00
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

BW-10	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	0.03
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	0.09
11/18/2010	--
12/6/2010	0.20

Eagle Cr_Surf Elev	
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0816-S2	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0523-S2	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-30-S2 *	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	0.04
11/18/2010	0.03
12/6/2010	NM

MW-0625-S2A	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	--

MW-0623-S2A	
	Product Thickness (ft)
1/22/2010	--
2/22/2010	--
3/23/2010	--
5/24/2010	--
7/20/2010	--
8/23/2010	--
10/14/2010	--
11/18/2010	--
12/6/2010	NM

LEGEND:

LOCATION NAME

FEET

PRODUCT THICKNESS OBSERVED

DATE

-- NO PRODUCT OBSERVED

NM NOT MEASURED

* ABSORBENT SOCK PRESENT IN WELL

OBSERVED LNAPL LOCATIONS

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 150' 300'

GRAPHIC SCALE

GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA

INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - SECOND HALF 2010

OBSERVED LNAPL THICKNESS AOI 26 AND AOI 40 JANUARY - DECEMBER 2010

ARCADIS

DRAWING 6

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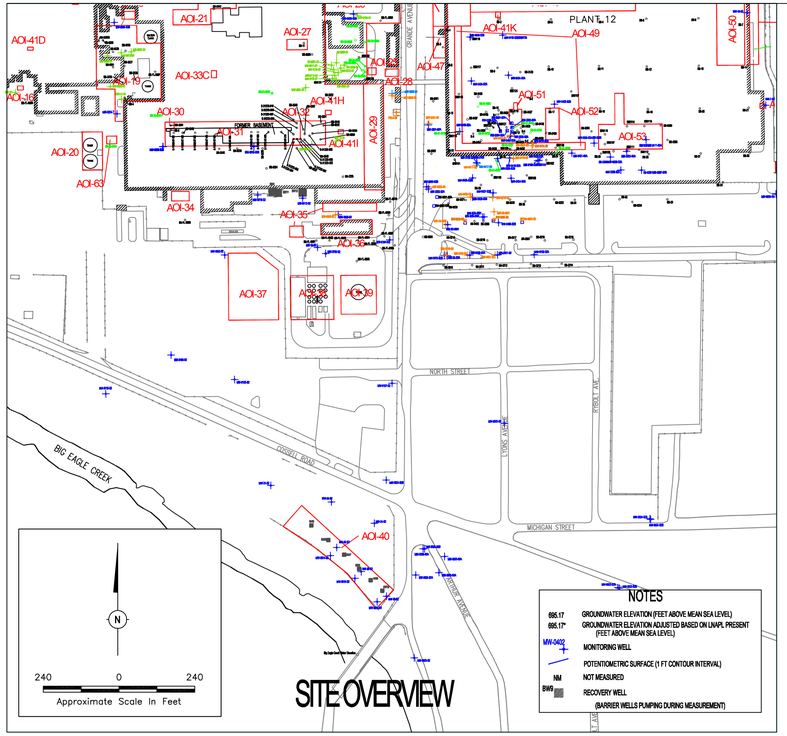
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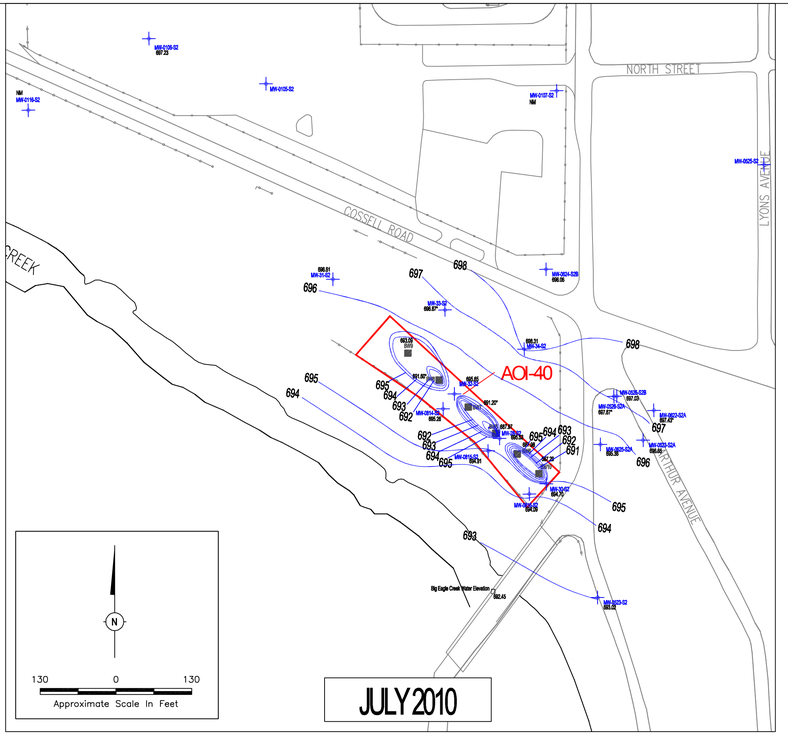
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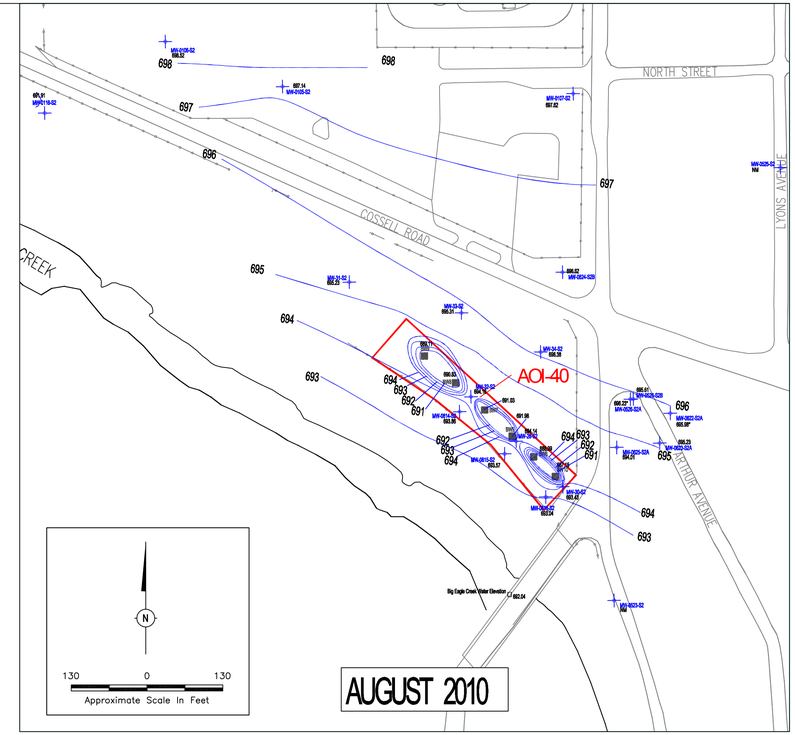
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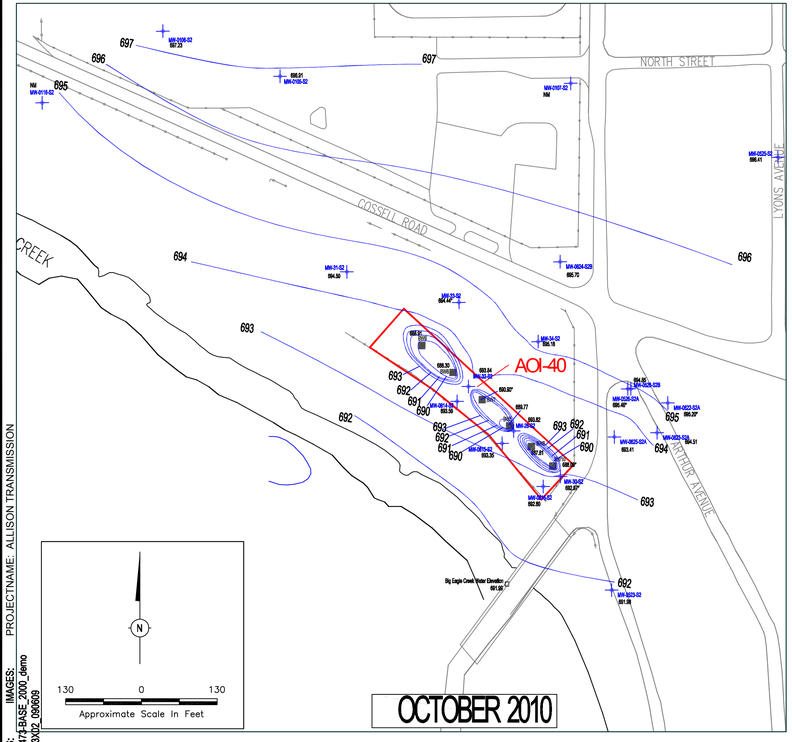
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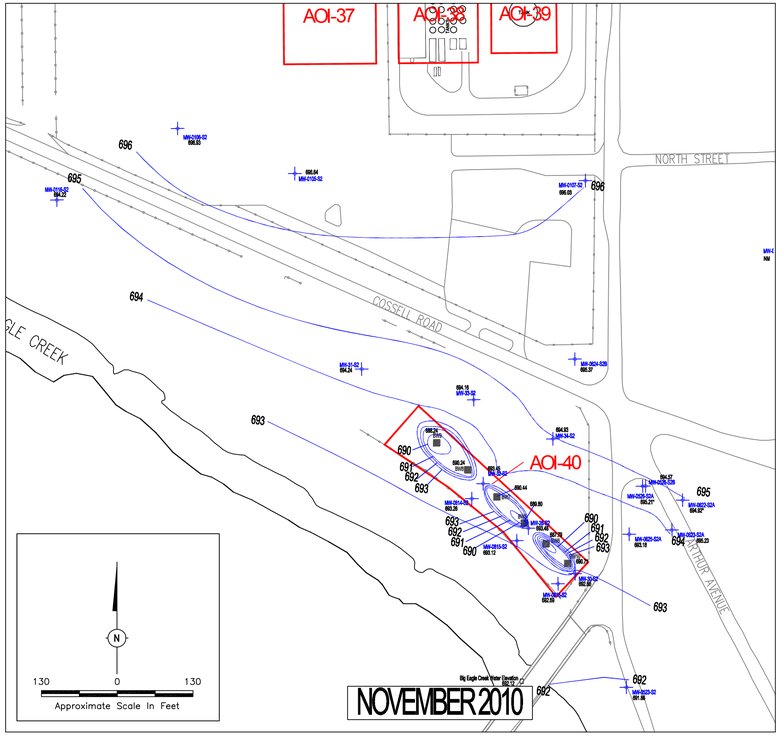
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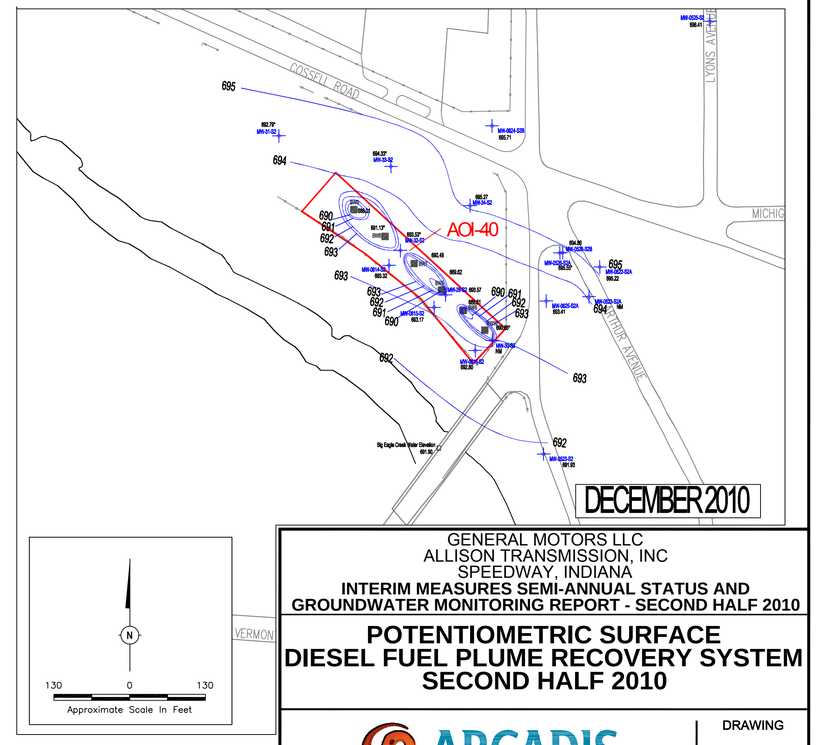












GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC
SPEEDWAY, INDIANA

INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - SECOND HALF 2010

POTENTIOMETRIC SURFACE DIESEL FUEL PLUME RECOVERY SYSTEM SECOND HALF 2010

ARCADIS

DRAWING 7

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FEBRUARY 2010

APRIL 2010

AUGUST 2010

SITE OVERVIEW

NOTES

699 POTENTIOMETRIC SURFACE (1 FT CONTOUR INTERVAL)

MW-0402 696.76 MONITORING WELL WITH FEBRUARY 2009 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)

696.76* NM GROUNDWATER ELEVATION ADJUSTED BASED ON LNAPL PRESENT NOT MEASURED

S2A UNIT EITHER NOT SATURATED OR NOT PRESENT

Note that MW-S2A-0501 is not consistently saturated.
Recovery Wells pumping during collection of data.
Water levels in Recovery Wells were used to generate contours.

Approximate Scale In Feet

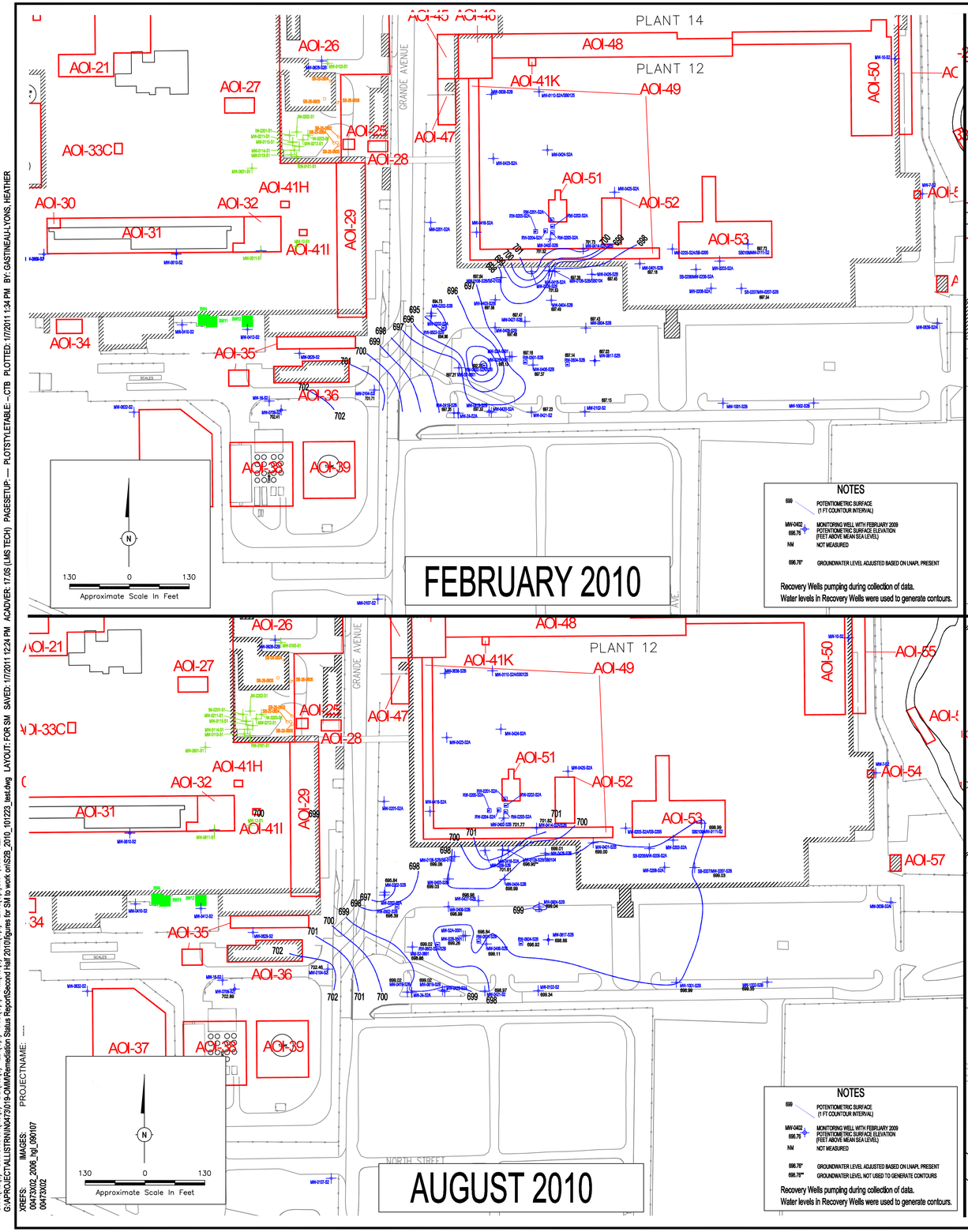
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT -SECOND HALF 2010

POTENTIOMETRIC SURFACE - SAND UNIT S2A (AOI 51) GROUNDWATER RECOVERY SYSTEM 2010

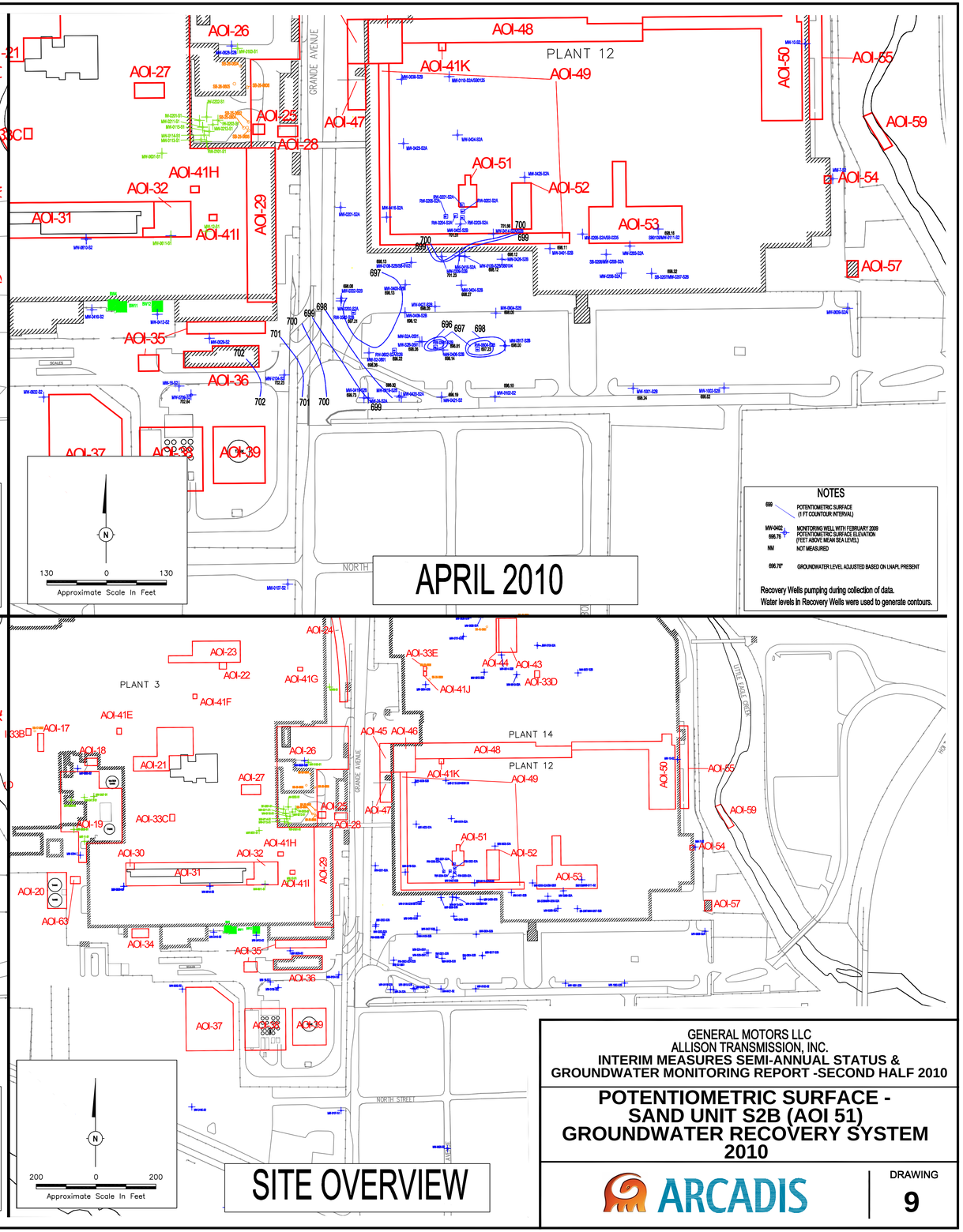
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FEBRUARY 2010



APRIL 2010

AUGUST 2010

SITE OVERVIEW

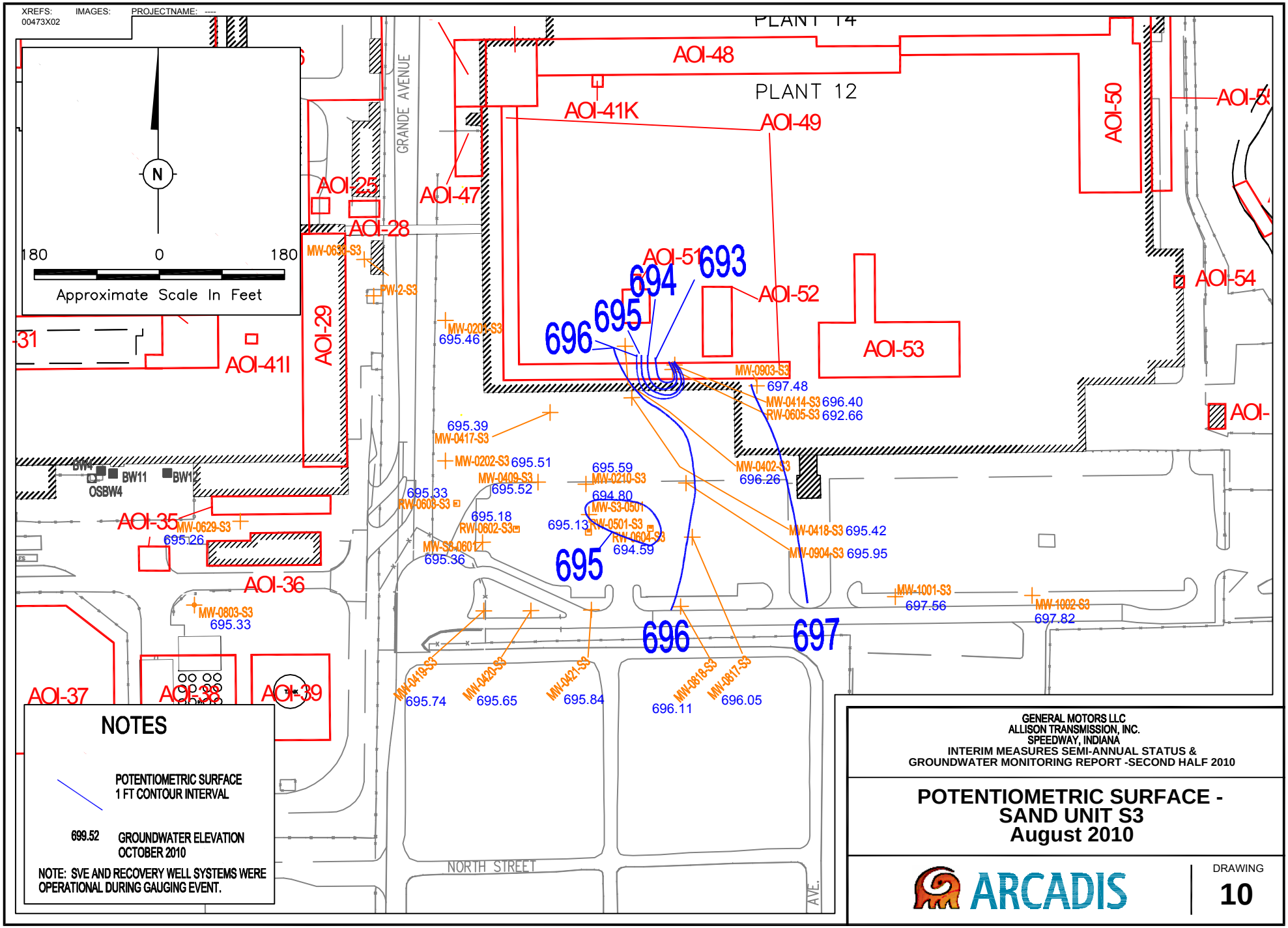
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT -SECOND HALF 2010

POTENTIOMETRIC SURFACE - SAND UNIT S2B (AOI 51) GROUNDWATER RECOVERY SYSTEM 2010

ARCADIS

DRAWING 9

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NOTES

POTENTIOMETRIC SURFACE
1 FT CONTOUR INTERVAL

699.52 GROUNDWATER ELEVATION OCTOBER 2010

NOTE: SVE AND RECOVERY WELL SYSTEMS WERE OPERATIONAL DURING GAUGING EVENT.

GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS &
GROUNDWATER MONITORING REPORT -SECOND HALF 2010

POTENTIOMETRIC SURFACE - SAND UNIT S3 August 2010

ARCADIS

DRAWING 10

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00473X02

N

180 0 180

Approximate Scale In Feet

NOTES

699 POTENTIOMETRIC SURFACE
1 FT CONTOUR INTERVAL

699.52 GROUNDWATER ELEVATION
OCTOBER 2010

NOTE: SVE AND RECOVERY WELL SYSTEMS WERE NOT OPERATIONAL DURING GAUGING EVENT.

MW-0635-S3 706.47
MW-0636-S3 706.91
MW-0637-S3 705.02
MW-0902-S3 705.10
MW-0901-S3 706.05
MW-0636-S3 701.93
MW-0202-S3 694.85
MW-0903-S3 696.23
MW-0414-S3 695.40
RW-0605-S3 695.40
MW-0417-S3 694.85
MW-0202-S3 694.76
MW-0409-S3 694.99
MW-0210-S3 NM
MW-S3-0501 694.28
RW-0501-S3 695.06
RW-0604-S3 695.46
RW-0603-S3 694.84
RW-0602-S3 695.06
MW-S3-0601 694.71
MW-0402-S3 695.23
MW-0418-S3 695.29
MW-0904-S3 695.42
MW-0629-S3 694.33
MW-0803-S3 694.38
MW-1001-S3 696.33
MW-1002-S3 696.55
MW-0419-S3 694.79
MW-0420-S3 694.76
MW-0421-S3 695.06
MW-0818-S3 695.25
MW-0817-S3 695.34
MW-1003-S3 694.85

AOI-27 AOI-25 AOI-28 AOI-29 AOI-31 AOI-41H AOI-41I AOI-35 AOI-36 AOI-37 AOI-38 AOI-39 AOI-40 AOI-41J AOI-41K AOI-42 AOI-43 AOI-44 AOI-45 AOI-46 AOI-47 AOI-48 AOI-49 AOI-50 AOI-51 AOI-52 AOI-53 AOI-33E AOI-33D

PLANT 14
PLANT 12

Groundwater Remediation System not in Operation

OSBW4 BW11 BW12 OSBW-3 BW-3 OSBW-2 BW9 BW8 BW7 BW-2 OSBW-1 BW-1 BW5 BW6 BW10

GRAHAM AVENUE
NORTH STREET
LYONS AVENUE
RYBOLT AVE.
MICHIGAN STREET
COSSELL ROAD
ARTHUR AVENUE

GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS &
GROUNDWATER MONITORING REPORT -SECOND HALF 2010

POTENTIOMETRIC SURFACE - SAND UNIT S3 October 2010

ARCADIS

DRAWING 11

FAVERO GEOSCIENCES

1210 South 5th Street
Springfield, IL 62703
Phone 217.522.6714
Fax 217.522.6727
dfavero@ameritech.net

January 14, 2011

Mr. Don Heller
U.S. Environmental Protection Agency, Region 5
Waste Management Division
77 West Jackson Blvd., HRP-8J
Chicago, IL 60604-3590

RE: Fourth Quarter 2010 Progress Report
RCRA Corrective Action
Allison Transmission, Speedway, IN
USEPA ID Nos. IND006413348 and IND000806828

Dear Mr. Heller:

The attached progress report is submitted on behalf of General Motors LLC (GM), in accordance with the requirements of the Performance-Based Corrective Action Agreement between the U.S. Environmental Protection Agency Region 5 (USEPA) and General Motors Corporation. The progress report covers the fourth quarter of 2010 (October 1, 2010 through December 31, 2010).

Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,

David M. Favero, P.G.
Project Manager

Attachment A – Fourth Quarter 2010 Progress Report

C: Glynda Oakes, IDEM Office of Land Quality (via e-mail)
Adam Rickert/Pam Thevenow, Marion County Health Department (via e-mail)
Marilyn Dedyne/Jean Caufield, GM (paper & via e-mail)
Kim Crame/Sue Barto, Allison Transmission, Inc. (via e-mail)
Speedway Library (Public Information Repository) (paper)

ref: c:\proj\gmatd\rcracorrectiveaction\qtrlyreports\4qtr2010report_0111_Allison_final

ATTACHMENT A
FOURTH QUARTER 2010 PROGRESS REPORT
PERFORMANCE-BASED RCRA CORRECTIVE ACTION
ALLISON TRANSMISSION
OCTOBER 1, 2010 TO DECEMBER 31, 2010

WORK PERFORMED THIS QUARTER

- Completed and submitted *Third Quarter 2010 Progress Report*, RCRA Corrective Action, Allison Transmission, Speedway, IN, USEPA ID Nos. IND006413348 and IND000806828.

- Completed and submitted the *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, First Half 2010.

- Prepared a response to comments received from USEPA on the Plant 2 portion of the RFI Report on September 14, 2010, and submitted to USEPA on November 16, 2010.

- Participated in a conference call with USEPA, representatives of the Speedway Redevelopment Commission and Allison Transmission, to discuss Allison's potential sale of Plant 2, and the relationship between redevelopment and RCRA Corrective Action.

- Gauged selected monitoring wells with USEPA in relation to USEPA's Vermont Street Evaluation on October 13, 2010.

- Completed a comprehensive, site-wide groundwater gauging event and groundwater sampling related to evaluating the performance of the Plant 12 PCE groundwater recovery system.

- Began preparation of a Soil Management Plan and Environmental Restrictive Covenant for Plant 2.

- Continued operation and maintenance of interim measures: soil vapor extraction (SVE)/groundwater recovery system at the Plant 12 Former Degreaser Area (AOI 51), passive free product recovery and groundwater recovery related to the diesel fuel impacted groundwater plume (AOI 40), total fluids recovery at the waste treatment area (AOI 19), and passive free product recovery at the Transmission Test Assembly Area (AOI 53).

DATA AVAILABLE DURING THIS QUARTER

- Analytical results from monitoring air emissions from the Plant 12 former degreaser area SVE and air stripper exhaust stacks (included in the enclosed *RCRA Corrective Action*

Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010, January 14, 2011).

- Analytical results from monitoring the effluent from the pretreatment of recovered groundwater from the diesel fuel plume (Outfall 003), and effluent from the treatment of recovered groundwater from the Plant 12 Former Degreaser Area (Outfall 004), (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, Second Half 2010, January 14, 2011).

- Analytical results from monitoring wells associated with the CA750 Environmental Indicators Determination and associated with evaluation of the interim measures remediation systems at Plant 12 Former Degreaser Area (included in the *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, Second Half 2010, January 14, 2011).

PROBLEMS ENCOUNTERED

- None.

SUMMARY OF PROBLEM RESOLUTION

- NA

POTENTIAL PROBLEMS

- None.

ESTIMATED PERCENT COMPLETE FOR SELECTED ACTIVITIES

• DOCC	100%
• Public Participation Plan	100%
• RFI Work Plan	100%
• RFI Phase I Implementation	100%
• RFI Data Report (through Phase I data)	100%

• RFI Phase II Implementation	100%
• RFI Data Report (updated to include Phase II data)	100%
• RFI Phase III Implementation	100%
• Plant 12 Former Degreaser Area (AOI 51) Downgradient Groundwater Migration Control Interim Measures Work Plan	100%
• Plant 12 Former Degreaser Area (AOI 51) Downgradient Groundwater Migration Control Interim Measures Implementation	100%
• AOI 19 Interim Measures Work Plan	100%
• AOI 19 Interim Measures Implementation	100%
• Draft RFI Report	100%
• Final RFI Report (Submitted February 20, 2009)	100%
• Environmental Indicator Human Health - CA725 Determination (Due by March 31, 2008 and Submitted on March 28, 2008); Resubmitted on July 1, 2008 and approved by USEPA on September 25, 2008.	100%
• Environmental Indicator Groundwater Migration – CA750 Determination (Due by March 31, 2008 and Submitted on March 28, 2008)	100%
• Sampling to Support Corrective Measures Proposal and Confirm RFI Results	100%
• Data Report for Additional Sampling	100%
• AOI 2-1 Interim Measures Work Plan (Approved by USEPA on November 6, 2008)	100%
• AOI 2-1 Interim Measures Implementation	100%

- Stage II Additional Sampling to Support the Corrective Measures Proposal and to Support Evaluation of Interim Measures System Performance — 100%

- Data Report For Stage II Additional Sampling (Submitted March 27, 2009) — 100%

- Stage III Sampling Matrix (Submitted June 19, 2009) — 100%

- Stage III Additional Sampling Implementation — 100%

- Data Report For Stage III Additional Sampling — 100%

- Corrective Measures Proposal (Revised due date; March 31, 2009: Submitted March 31, 2009) — 100%

- Operation, Monitoring and Maintenance of Interim Measures
  [Note that the estimated percent complete for these interim measures are only intended to be rough approximations and are subject to revision based on review of monitoring data. Discontinuing operation of any of these interim measures will be coordinated with USEPA and will be based on a review of monitoring data and evaluation of appropriate risk-based end points, if applicable.]

  - Plant 12 PCE Soil Vapor Extraction System — 53%
  - Plant 12 PCE Groundwater Recovery System — 11%
  - Plant 12 Transmission Test Assembly Area — 77%
  - Diesel Fuel Plume Recovery System — 60%
  - Waste Treatment LNAPL Recovery System — 20%

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

- GM representatives have had several contacts with representatives of the Speedway Redevelopment Commission (SRC) regarding technical issues related to Plant 2.

- Attended USEPA-sponsored public meeting regarding the Vermont Street Area Investigation.

- Provided the following documents to the public information repository this quarter:

- *Third Quarter 2010 Progress Report*, RCRA Corrective Action, Allison Transmission, Inc., Speedway, IN, USEPA ID Nos. IND000806836 and IND094469913, October 14, 2010.
- *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, First Half 2010, ARCADIS, October 14, 2010.

CHANGES IN PERSONNEL

- None.

PROJECTED WORK FOR NEXT REPORTING PERIOD

- Respond to comments from USEPA on the RFI Report in relation to Plant 2.
- Prepare and submit to USEPA a work plan for implementing a soil vapor extraction system at AOI 42/43 (Plant 14).
- Coordinate with USEPA, as necessary, for their Vermont Street Evaluation.
- Coordinate with Allison Transmission and the Speedway Redevelopment Commission as appropriate, regarding the potential sale and redevelopment of Plant 2 and the redevelopment of the area surrounding Allison Transmission.
- Propose permanent removal of some RFI monitoring wells at Plant 2 to USEPA. Conduct monitoring well closure activities in accordance with IDEM regulations for wells as agreed to with USEPA.
- Prepare responses, summaries of meetings, data reviews, or other conference calls with USEPA, as appropriate.
- Perform routine operation, monitoring and maintenance for operating remediation systems and implement duplicate high level alarms at the remediation systems.

*****

Enclosure

RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, Second Half 2010, ARCADIS, January 14, 2011.

ARCADIS
Infrastructure, environment, buildings

Imagine the result

RCRA Corrective Action Interim Measures Semi-Annual Remediation Status Report- Second Half 2010

Allison Transmission, Inc.

Plants 3, 12, and 14: EPA ID IND006413348
Plant 2: EPA ID IND000806828

January 14, 2011

ARCADIS

Heather Gastineau-Lyons, L.P.G.
Staff Geologist

Eric Moosbrugger, P. E.
Project Engineer

Sarah E. Fisher, C.H.M.M.
Senior Project Scientist

RCRA Corrective Action Interim Measures Semi-Annual Remediation Status Report- Second Half 2010

Allison Transmission
Plants 3, 12, and 14:
EPA ID IND006413348
Plant 2: EPA ID IND000806828

Prepared for:
General Motors LLC

Prepared by:
ARCADIS
251 East Ohio Street
Suite 800
Indianapolis
Indiana 46204
Tel 317.231.6500
Fax 317.231.6514

Our Ref.:
IN000473.0019

Date:
January 14, 2011

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Executive Summary

On October 13 and 14, 2010, depth to groundwater was measured in 216 monitoring wells at the Site to obtain site-specific groundwater flow patterns in the S2 and S3 sand and gravel units. Groundwater samples were collected from 25 monitoring wells as part of the AOI 51 SVE and Groundwater Recovery System Evaluation on November 1 and November 18, 2010. All groundwater samples were analyzed for volatile organic compounds (VOCs).

A Light Non-Aqueous Phase Liquid (LNAPL) containing concentrations of polychlorinated biphenyls (PCBs) has been observed in one of the monitoring wells (MW-0413-S1) at the Waste Treatment Area (AOI 19). The installation of the LNAPL Recovery System at AOI 19 was completed in April 2009, and the system became operational on April 16, 2009. The recovered LNAPL is stored in a tank with secondary containment prior to being containerized and transported offsite for incineration in accordance with Toxic Substances Control Act (TSCA) regulations.

The Diesel Fuel Plume Groundwater Recovery System (AOI 40) has been in operation since 1973. Since performing an upgrade in 2001, approximately 24.28 million gallons of groundwater (approximately 6,900 gallons per day) have been recovered from nine recovery wells. In October 2005, the recovery system was further upgraded to allow for pre-treatment of the impacted groundwater and subsequent discharge to the Town of Speedway sanitary sewer system. Since the October 2005 upgrade, approximately 8.46 million gallons of pre-treated groundwater have been discharged to the Town of Speedway's sanitary sewer system. From July 2010 through December 2010, the Diesel Fuel Plume Recovery System removed an estimated 60 pounds of total petroleum hydrocarbons (TPH) –Diesel Range Organics (DRO). Since the upgrade in 2001, the estimated cumulative total TPH-DRO removed is 97,926 pounds or 13,813 gallons (based on a specific gravity of 0.85).

As part of the O&M activities for the Diesel Fuel Plume Groundwater Recovery System, absorbent socks are placed in monitoring wells which exhibit LNAPL, and inspected on a frequency commensurate with their LNAPL accumulation rate. From July 2010 through December 2010, approximately 10.02 gallons of LNAPL have been recovered by the absorbent socks.

The AOI 51 soil vapor extraction (SVE) system installed at Plant 12 for the removal of tetrachloroethene (PCE) from the shallow soils in the vicinity of the former degreaser area has been in operation since October 30, 2003. From system startup in October

2003 through December 2010, approximately 27,837 pounds (13.92 tons) of PCE have been removed in the vapor phase (from soil), which includes approximately 351 pounds in the second half of 2010. The dense non-aqueous phase liquid (DNAPL) recovery system was installed in October 2003; however, this portion of the system was operated on a limited capacity. In February 2005, the DNAPL recovery component of the system was shut down to allow for the installation of a groundwater extraction and treatment system, incorporating the source area wells and down-gradient recovery wells. The expanded system start-up began on September 7, 2007. The start-up incorporated only the extraction and treatment of groundwater from the down-gradient recovery wells. The source area recovery wells were incorporated into the treatment system on November 28, 2007.

To date, an estimated 25.66 million gallons of total fluids with an estimated 2,924 pounds of PCE have been removed by groundwater recovery activities associated with AOI 51. Approximately 2,423 pounds of PCE have been recovered since the upgrade and restart of the system in November 2007 (1,800 pounds based on groundwater analytical, and 623 pounds from the DNAPL separator), of which approximately 155 pounds were recovered between July 2010 and December 2010 (15.8 pounds based on groundwater analytical, and 139.9 pounds from the DNAPL separator).

O&M activities associated with the Transmission Test Cell Area (AOI 53) were completed from July 2010 through December 2010. O&M included the inspection of all monitoring wells in the vicinity of the Transmission Test Cell Area for LNAPL and placing absorbent socks in those wells where LNAPL was observed. Presently, two (2) monitoring wells have absorbent socks maintained because either measurable amounts of LNAPL or LNAPL globules have occasionally been observed. From July 2010 through December 2010, measurable product was observed in two monitoring wells, and approximately 2.27 gallons LNAPL has been recovered by the absorbent socks at AOI 53.

1. Introduction

ARCADIS has prepared this semi-annual status report on behalf of General Motors LLC (GM). This semi-annual status report summarizes the fall 2010 groundwater gauging and sampling event, the performance of the Waste Treatment LNAPL Recovery System at the Plant 3 Waste Treatment Area (AOI 19), the Diesel Fuel Plume Groundwater Recovery System (AOI 40), and the Former Degreaser Area Soil Vapor Extraction (SVE) and Groundwater Recovery System (AOI 51) installed at Allison Transmission, Inc. (Allison). In addition, activities related to the Plant 12 Transmission Test Assembly Area (AOI 53) are also summarized. This report covers the period from July 2010 through December 2010. Drawing 2 is a map of the Site and depicts the specific location of the above-mentioned AOIs in addition to the monitoring wells located at the facility (Drawing 1 provides legend information).

2. Groundwater Gauging

On October 13 and 14, 2010, depth to groundwater was measured in 216 monitoring wells at the Site to obtain site-specific groundwater flow pattern in the S2 sand unit at the Site and the groundwater flow pattern in the S3 sand unit at Plants 12 and 14. The gauging data are presented in Table 1 and were used to calculate groundwater elevations at each of the monitoring wells. The groundwater elevation contour in the S2 sand and gravel unit is presented as Drawing 3. As part of USEPA's Vermont Street Investigation, a subset of monitoring wells was gauged with USEPA's subcontractor and ARCADIS on October 13, 2010. The SVE and recovery well systems at AOI 51 were not operational during the time of data collection on October 13 and 14, 2010, per USEPA's request. The groundwater elevation contours in the S2A, S2B and S3 sand and gravel units are presented and discussed in Section 6: Former Degreaser Area (AOI 51).

3. Groundwater Sampling Event

On November 1, 2010 groundwater samples were collected from 24 monitoring wells as part of the evaluation for the AOI 51 SVE and Groundwater Recovery System. Groundwater sampling was performed utilizing the passive diffusion bag (PDBs) method. PDBs were deployed on October 15, 2010, during the site wide gauging event and samples were collected after PDB equilibration on November 1, 2010. A PDB was deployed in monitoring well MW-0202-S2A on November 4, 2010 and sample collected on November 18, 2010.

After samples were collected from the PDB samplers, the containers were immediately sealed, labeled and placed in an ice-packed cooler that was transported to Pace Analytical Services, Inc. (Pace), located in Indianapolis, Indiana, observing proper chain-of-custody procedures. The groundwater samples were analyzed for VOCs in accordance with USEPA SW-846 Method 8260. VOC analytical results are summarized in Table 1. The constituents identified on the table are the constituents identified through the RCRA Facility Investigation process or related to the operation of the interim measures systems (i.e., tetrachloroethene (PCE) and its breakdown products). The organic analytical results for groundwater samples collected during the Second Half 2010 are provided on Drawing 4. The laboratory analytical results are provided in Appendix B.

From the PDB sampling event, vinyl chloride was detected in monitoring well MW-0102-S2 at 2.7 µg/L. With the exception of the May 2010 sampling event, where the PDB sample resulted in a detection of 43.6 µg /L, vinyl chloride has not been detected in this monitoring well. The monitoring well was redeveloped on July 16, 2010 and it was re-sampled on July 19, 2010 utilizing the low-flow sampling method. Vinyl chloride was not detected in the July 19, 2010 sample. A PDB was deployed after the low-flow sampling event at MW-0102-S2 and was collected on August 8, 2010. Vinyl chloride was again not detected in the PDB sample on August 8, 2010. The well will be re-sampled to further evaluate the presence of vinyl chloride.

4. Waste Treatment Area (AOI 19) – Waste Treatment LNAPL Recovery System

4.1 Background

The Waste Treatment Area (AOI 19) is located in a courtyard in the central portion of Plant 3 (Drawing 2). In 2004, as part of routine groundwater characterization activities at AOI 19, monitoring well MW-0413-S1 was installed down-gradient from the Waste Treatment Area skim basins. LNAPL was observed in monitoring well MW-0413-S1. Fingerprint characterization of the LNAPL revealed it was a heavy petroleum product (i.e., lubricating oil or mineral oil) and analytical characterization of the LNAPL identified the presence of PCBs. During the initial sampling event completed on March 3, 2006, Aroclor-1248 was detected at 14 mg/kg and during a subsequent re-sampling event completed on March 17, 2006, Aroclor-1248 was detected at 31 mg/kg.

Numerous soil and groundwater samples have been collected and sampled for PCBs in the vicinity of the MW-0413-S1. Additionally, monitoring wells in the vicinity of MW-0413-S1 have been gauged for LNAPL (as shown in Drawing 5). Concentrations of

PCBs were not detected above site-specific soil screening criteria in soil samples collected at AOI 19, and were not detected in groundwater samples above laboratory reporting limits. No other monitoring wells in the vicinity of MW-0413-S1 have contained a measurable amount of LNAPL. Based on these evaluations, the presence of PCBs at AOI 19 was delineated.

4.2 LNAPL Recovery System

The Waste Treatment LNAPL Recovery System consisted of a specific gravity skimmer and pneumatic pump installed in monitoring well MW-0413-S1. Upon finalizing the O&M procedures, system installation was completed on April 16, 2009. During 4th quarter 2009, it is thought that due to an equipment malfunction, the pneumatic skimmer pump was not working correctly. This problem was addressed by actions in January 2010, where the system was temporarily modified to recover total fluids (LNAPL and water). In the second half of 2010, the system was permanently modified for total fluids recovery with periodic, timed pumping events. The recovered fluids are being stored in a tank with secondary containment prior to being containerized and transported offsite for incineration in accordance with TSCA regulations.

On July 1, 2010, two drums of recovered total fluids were shipped from the site for incineration at the USEPA-approved TSCA facility operated by Clean Harbors, Deer Park, TX (TXD 055 141 378). Additionally, one drum of PCB debris from the remediation activities (gloves, tubing, wipes, spent absorbents, etc.) were transported to and disposed of at Wayne Disposal, Inc. Site #2 Landfill (Hazardous & PCB Waste), Belleville, MI (MID 048 090 633). It is estimated that a total of 0.8 gallons of PCB-containing LNAPL was removed via the two drums of total fluids.

5. Diesel Fuel Release Area (AOI 40) – Diesel Fuel Plume Groundwater Recovery System

5.1 Background

Historical releases of diesel fuel at the Allison facility have resulted in a hydrocarbon sheen reaching Big Eagle Creek, located south of the facility. Drawing 2 depicts the specific location of the diesel fuel plume groundwater recovery system (AOI 40). To control the migration of the hydrocarbon-impacted groundwater toward Big Eagle Creek, groundwater has been extracted from recovery wells installed and operated along the creek. The groundwater recovery system was not operating properly in June 2000 due to the recovery well screens becoming plugged. As a result of the system

not operating properly, diesel sheen was observed at Big Eagle Creek. A containment boom was installed in Big Eagle Creek directly down-gradient of AOI 40 to mitigate the sheen. Oil-only absorbent booms are attached to the physical containment boom to capture a sheen that was seeping from the bank of the creek. The recovery system was upgraded in 2001. The upgraded system included extracting groundwater from six wells (BW-5 through BW-10) installed along the creek. Groundwater was also extracted from three wells (BW-4, BW-11 and BW-12) installed near Plant 3 to collect hydrocarbon-impacted groundwater closer to the believed source of the diesel fuel release. Historically, all recovered groundwater was transferred to the Allison Waste treatment system for treatment. However, in October 2005, additional upgrades to the groundwater recovery system were completed, and the discharge from recovery wells BW-5 through BW-10 was redirected to the Town of Speedway sanitary sewer system. The system was started on November 1, 2005 pursuant to the Town of Speedway's Industrial Waste Discharge Permit Number 2003-1. The discharge is pre-treated (oil/water separator and bag filters) for the removal of any recovered separate phase liquid and suspended solids from effluent water prior to discharge to the Town of Speedway's sanitary sewer system. As a result of GM's August 2007 sale of Allison, ENCORE applied for and received a permit (Permit Number 2007-3) dated October 1, 2007, from the Town of Speedway to discharge to the Speedway sanitary sewer system. At that time, ENCORE was a wholly-owned subsidiary of General Motors, Corporation. As of result of General Motors Corporation's bankruptcy proceedings, a new entity GM applied for and received a new permit (Permit Number 2009-3), dated October 1, 2009, from the Town of Speedway to continue discharging to the Speedway sanitary sewer system. The permit requirements were unchanged from the previous discharge permit. Until December 2009, groundwater recovered from the three wells located near Plant 3 was transferred via an aboveground pipeline to the Allison waste treatment system. In November and December 2009, GM performed construction activities between Plant 3 and the pre-treatment system building to connect the three wells located near Plant 3 to the pre-treatment building. In the first half of 2010, the recovered groundwater and NAPL from these three wells was routed to the pre-treatment building, and ultimately discharged through the permitted outfall 003 associated with permit number 2009-3. The containment boom in Big Eagle Creek is maintained as a precautionary measure to contain and capture any sheen that might enter the creek.

5.2 Monitoring

Water level measurements were collected at least bimonthly from monitoring wells that have historically demonstrated LNAPL accumulation rates requiring monthly absorbent

sock change-out. The absorbent sock is removed from the monitoring well in advance of the water and LNAPL thickness measurements.

In July, August, October, November and December 2010, water level measurements were collected from the recovery wells near Big Eagle Creek (BW-5 through BW-10) and monitoring wells in the vicinity of the recovery well system near Big Eagle Creek (MW-28-S2, MW-30-S2, MW-31-S2, MW-32-S2, MW-33-S2, MW-34-S2, MW-0105-S2, MW-0106-S2, MW-0107-S2, MW-0523-S2, MW-0525-S2, MW-0526-S2A, MW-0526-S2B, and MW-0625-S2A, MW-0622-S2A, and MW-0623-S2A, MW-0624-S2B, MW-0814-S2, MW-0815-S2 and MW-0816-S2). Table 1 summarizes historical water level elevation data. Drawing 6 shows the extent of observed LNAPL in the vicinity of AOI 26 and AOI 40. Drawing 7 presents the potentiometric surface maps for the recovery well system as measured in each of the above mentioned months of data collection.

As previously stated, effluent from recovery wells BW-5 through BW-10 is discharged to the Town of Speedway sanitary sewer system as permitted by Industrial Waste Discharge Permit Number 2007-3 until October 1, 2009, then as permitted by Industrial Waste Discharge Permit Number 2009-3. ARCADIS personnel recorded discharge flow data via the supervisory control and data acquisition (SCADA) system or Site visits for July through December 2010. Table 3 lists the amount of water discharged (by month) to the Town of Speedway's sanitary sewer system via Outfall 003. To verify compliance with the discharge limits set forth for permitted Outfall 003 in Permit Number 2009-3, effluent samples of oil and grease (O&G) and TPH (via CWA Method 1664) are collected on a monthly basis, and total toxic organics (volatile and semi-volatile) (via CWA Method 624 and 625) are collected on a quarterly basis. During this reporting period, all effluent water discharged to the Town of Speedway's sanitary sewer system was in compliance with the discharge limits set forth in Permit Number 2009-03. Table 4 provides a summary of effluent water quality data collected since the discharge of effluent water to the Town of Speedway's sanitary sewer system began on November 1, 2005.

5.3 Diesel Fuel Plume Groundwater Recovery System Performance

Extracted well water samples were not collected from each of the recovery wells and analyzed for TPH-DRO during this reporting period. Analytical results for the recovery wells can be found in Table 5. For the purposes of estimating TPH removal, the analytical from June 2010 was used in conjunction with the second half 2010 individual recovery well flow readings.

Since upgrade of the Diesel Fuel Plume Groundwater Recovery System in 2001, the frequency and significance of observable sheen in the creek has steadily decreased. Based on readings from individual well flow meters, approximately 24.28 million gallons of groundwater have been recovered from the nine recovery wells. Approximately 15.82 million gallons of the recovered groundwater has been processed through the Allison wastewater treatment system, and 8.46 million gallons have been pre-treated and discharged to the Town of Speedway's sanitary sewer system. Currently, the system recovers an average of approximately 6,900 gallons per day, based on the number of days it has been in operation since late April 2001.

Table 6 summarizes the approximate flow from each of the recovery wells since the system began operation. Using the measured flow data and laboratory analytical results from each recovery well, TPH-Diesel mass removal can be estimated for each recovery well. As listed in Table 6, the calculated mass of TPH-Diesel removed from the recovery wells (BW-4 through BW-12) from July 2010 through December 2010 is an estimated total mass of 60 pounds TPH-Diesel. Since the system was upgraded in April 2001, the total estimated amount of TPH-Diesel removed from all recovery wells is estimated at 97,926 pounds. Cumulative TPH-Diesel discharged over time and for the Diesel Fuel Plume Recovery System is presented in Appendix C.

Groundwater levels north of Big Eagle Creek are influenced by pumping from recovery wells BW-5 through BW-10 and are presented in Drawing 7.

5.4 Diesel Fuel Plume Groundwater Recovery System Operation & Maintenance

Monthly O&M activities were performed from July 2010 through December 2010. Maintenance of pumps and flow meters was performed as needed by qualified personnel. Upgraded pump controllers (installed in September 2008) are continuously adjusted to optimize hydraulic control. As part of routine annual O&M, all nine barrier wells were redeveloped in November 2010.

Beginning in September 2002, absorbent socks were installed in monitoring wells associated with the diesel fuel plume groundwater recovery system. During monthly O&M activities for July 2010 through December 2010, the absorbent socks were replaced if saturated with LNAPL. Maintenance on wells with absorbent socks is conducted on a monthly, quarterly, or semi-annual frequency based on previous observation of LNAPL recovery rates in each well. Table 7 presents data from select monitoring wells containing absorbent socks, and their approximate saturation at periodic intervals. The monitoring well absorbent socks contain approximately six to

eight ounces of polymer each. Based on that information, it can be estimated that approximately 10.02 gallons of LNAPL have been removed between July 2010 through December 2010 using the absorbent socks, and a total of 152.24 gallons of LNAPL have been removed since absorbent socks were installed in September of 2002. Drawing 6 shows the extent of observed LNAPL in the vicinity of AOI 40. Starting in the 4th quarter of 2010, periodic pumping of LNAPL has been performed in monitoring wells MW-0526-S2A and MW-0622-S2A, based on the rate of LNAPL accumulation. This activity will be continued during the next reporting period for active recovery of LNAPL from the selected wells.

6. Former Degreaser Area (AOI 51) – AOI 51 SVE and Groundwater Recovery System

6.1 Background

A release of 8,000 gallons of PCE in the former heat treat area of Plant 12 was reported to the Indiana Department of Environmental Management (IDEM) on June 14, 1988. Drawing 2 depicts the specific location of the Former Degreaser Area (AOI 51). Subsequent subsurface investigations completed in AOI 51 have revealed elevated PCE concentrations in soil (located in the upper 12 feet) in the immediate vicinity of the former degreasing area. In addition, groundwater samples collected in the immediate vicinity of the spill area have shown that PCE has impacted groundwater. In July 2003, ARCADIS installed a soil vapor extraction system (SVE) and dense non-aqueous phase liquid (DNAPL) recovery system to remove PCE from the shallow soils and the groundwater in the vicinity of the former degreaser area. The systems began operation in October 2003; however, the operation of the DNAPL recovery portion of the system was limited. In February 2005, the DNAPL recovery system was shut down to allow for the installation of a groundwater extraction and treatment system, incorporating the six (6) source area wells and eight (8) down-gradient recovery wells. The source area wells are screened primarily in the S2A unit, and the down-gradient recovery wells are screened primarily in the S2 and S3 units. The installation of the system was completed for the down-gradient recovery wells on September 7, 2007, with the incorporation of the source area wells on November 28, 2007.

Groundwater treatment consists of receiving influent groundwater water from the source area recovery wells and processing the groundwater through a DNAPL separator. The effluent from the DNAPL separator is transferred to an equalization tank where it is combined with groundwater extracted from the down-gradient recovery wells. The DNAPL separator allows any recovered DNAPL to be separated based on

the higher specific gravity of the DNAPL compared with the extracted water. Any recovered DNAPL is periodically pumped out of the DNAPL separator. The combined influent (from source area and down-gradient recovery wells) is treated through bag filters (for solids removal) and an air stripper (for VOC removal). Discharge of the pre-treated effluent water to the sanitary sewer system has been approved by the Town of Speedway through Industrial Waste Discharge Permit Number 2007-3. This permit was approved on September 24, 2007, and became effective as of October 1, 2007. As a result of the General Motors Corporation's bankruptcy proceedings, and the fact that the permit was non-transferrable, GM applied for and received a new permit number 2009-3, which contained the same discharge limitation as in the previous permit. Table 8 provides a summary of effluent water data collected from Outfall 004.

6.2 Monitoring

ARCADIS personnel recorded weekly flow data via the SCADA system (or Site visits) for July 2010 through December 2010. Table 9 lists the amount of water discharged (by month) to the Town of Speedway's sanitary sewer system.

During the second half of 2010, water level measurements were collected from monitoring wells within the vicinity of AOI 51 in September and November. Water elevation data is summarized in Table 1. Drawings 8 and 9 present the February, April, August and October 2010 potentiometric groundwater contours for the S2A and S2B sand units, respectively. Drawings 10 and 11 presents the potentiometric surface in the S3 sand unit during water level measurement events in August and October 2010. The SVE and recovery well systems were operating during the August gauging event and the resulting potentiometric surface maps display the influence the recovery wells have on groundwater in the vicinity of the system. At the request of USEPA, the SVE and recovery well systems were not operational during the October 2010, gauging event. Transducers were deployed in 18 monitoring wells associated with AOI 51 on October 15, 2010 in the S2A, S2B and S3 units along the plane of the down-gradient pumping wells and the down-gradient boundary wells. Transducers collected background data when the system was not operational due to the USEPA Vermont Street Gauging Event. Background groundwater elevation data suggests there is no influence from outside influences at the Facility other than the pumping of the SVE and recovery well systems when in operation. Transducers continue to be deployed in the monitoring wells. Quarterly groundwater flow maps will be generated from the data subset collected by the transducers during first half 2011.

As discussed in Section 3, groundwater samples were collected from 25 monitoring wells associated with the recovery system in November 2010.

Groundwater samples were not collected from the recovery wells associated with the Groundwater Recovery System during the second half of 2010. For the purposes of estimating VOC removal, the analytical from June 2010 was used in conjunction with the second half of 2010 individual recovery well flow readings.

Historic groundwater analytical results are presented in Table 10. Air samples from the SVE and air stripper emission stacks were formerly collected on a monthly basis. Since monthly air emission sampling is no longer a regulatory requirement (per exempt operation status letter dated August 14, 2008 from City of Indianapolis, Department of Public Works), ARCADIS recommended that GM reduce the frequency of air stripper vapor sampling from monthly to quarterly. Due to the varying nature of the VOC concentrations in the influent water to the air stripper, the data is highly variable and not helpful for performance monitoring purposes. ARCADIS recommended GM reduce monthly vapor sampling of the SVE remediation system to quarterly starting in 3rd Quarter 2010. As a result of this recommendation, the SVE and air stripper remediation system were sampled in September for the third quarter of 2010, and in December for fourth quarter 2010. The SVE system has continued to be sampled on a monthly basis. Tables 11 and 12 summarize the mass removal from the SVE system and the air stripper, respectively. Laboratory results for the air samples from July 2010 through December 2010 are included in Appendix B. Going forward, both the air stripper and SVE blower exhaust stacks will continue to be monitored on a quarterly basis.

6.3 AOI 51 SVE and Groundwater Recovery System Performance

The SVE System has been in operation since October 30, 2003. During this period, a total of approximately 27,837 pounds (13.92 tons) of PCE have been removed from the subsurface soil vapor (Table 11 summarizes constituents of concern removed to date). Cumulative PCE Discharged over time and monthly PCE discharged over time for the SVE System are presented in Appendix D.

The Groundwater Recovery System started operation on September 7, 2007. During the second half of 2010, an estimated 440 pounds (0.22 tons) of PCE have been removed from the groundwater via air stripping (Table 12 summarizes constituents of concern removed to date from the air stripper). Cumulative PCE discharged over time

and monthly/quarterly PCE discharged over time for the Groundwater Recovery System are presented in Appendix D.

Groundwater levels in saturated portion of sand unit S2A, and units S2B and S3 are influenced in the vicinity of AOI 51 by the recovery wells screened in the respective saturated sand units. Groundwater control in the saturated portion of sand unit S2A is demonstrated on Drawing 8 and is controlled by recovery wells RW-0201-S2A through RW-0205-S2A. Groundwater control in the saturated sand unit S2B is demonstrated on Drawing 9 and is controlled by recovery wells RW-0501-S2B, RW-0502-S2B, RW-0602-S2A/S2B, and RW-0604-S2B. The sand unit S3 is presented on Drawing 10 and is controlled by recovery wells RW-0501-S3, RW-0602-S3, RW-0603-S3, RW-0604-S3, and RW-0605-S3.

To date, an estimated 25.6 million gallons of total fluids with an estimated 2,924 pounds of PCE have been removed by groundwater recovery activities. The extracted groundwater from the source area wells inside Plant 12 pump into a DNAPL separator before the effluent is pumped to the water treatment system (equalization tank, bag filters, and air stripper). On September 29, 2010, two (2) drums of PCE sludge containing DNAPL and water was removed from the Site. After settling, the drum was gauged to determine the thickness of the DNAPL and emulsified layers, so that the amount of DNAPL could be estimated. It is estimated that 10.3 gallons (139 pounds) were removed via the DNAPL separator during the second half of 2010. As of December 2010, the cumulative amount of DNAPL removed via the DNAPL separator is estimated to be 46 gallons (623 pounds). Approximately 2,423 pounds of PCE have been recovered since the upgrade and restart of the system in November 2007, of which approximately 156 pounds were recovered between July 2010 through December 2010 (155 pounds of PCE from the recovery wells and 1.84 pounds of PCE from the air stripper). Table 12 summarizes the mass removal of PCE from the air stripper, and Table 13 summarizes the mass removal of PCE in the liquid phase.

6.4 AOI 51 SVE and Groundwater Recovery System Operation & Maintenance

Monthly O&M activities were performed from July 2010 through December 2010. Maintenance of pumps and flow meters was performed as needed by ARCADIS personnel. Routine maintenance, including bag filter changes and air compressor maintenance, is scheduled for completion on a weekly basis. Air stripper cleaning involves recycling a muriatic acid solution to remove scaling on trays (ARCADIS measures pH prior to discharge of recycled water to ensure it is within the permit limits). During the second half of 2010, ARCADIS has continued to utilize sequestering

agent in the treatment train prior to air stripping. The addition of sequestering agent has reduced premature air stripper fouling. Upgrades to PLC and data logging capabilities are ongoing. The individual well flow meters were replaced in November 2010, and at that time, logging and reporting functions were upgraded. The intent is to achieve better data collection for increased system run-time and efficiency.

7. Transmission Test Assembly Area (AOI 53)

7.1 Background

The transmission test assembly area was located near the south-central portion of Plant 12. This area of the Site is illustrated on Drawing 2 (AOI 53). The transmission test assembly area contained two transmission test cells and a transmission fluid recycling vault. The transmission test assembly area was removed from service in 2006. A storm water drain, which traverses east to west beneath the northern half of the test cells area, connects the roof drains to the storm water sewer. In 2001, a release was identified when automatic transmission fluid (ATF) was observed on the surface of water discharging to a storm water transfer sump near Column V-054. To identify the source of the ATF, Allison contracted to have a video inspection of the storm sewer performed. The inspection identified ATF entering into the pipe connecting the roof drain at Column V-046 to the storm sewer. Based on this finding, Allison performed an exploratory excavation inside the building where the roof drain penetrates the concrete flooring. The excavation revealed that ATF had migrated through a small gap in the concrete and entered the drainpipe at a joint just below the concrete. Approximately one cubic yard of impacted soil was removed for disposal, and the concrete was replaced and the gap between concrete and drainpipe was sealed.

ARCADIS performed several subsurface investigations in the vicinity of the transmission test assembly area under the guidance of IDEM. These investigations revealed TPH concentrations in soil ranging from below laboratory detection limits to 77,000 milligrams per kilogram (mg/kg). TPH concentrations have been delineated in all cardinal directions in the vicinity of the transmission test assembly area.

Seven monitoring wells are present in the vicinity of the transmission test assembly area. Previous sampling events have not revealed elevated concentrations of identified constituents of concern (i.e., volatile organic compounds and/or semi-volatile organic compounds) in these wells. However, globules of transmission fluid have been identified in three of the seven monitoring wells (MW-0111-S2, MW-0203-S2A, and

MW-0205-S2A). A measurable amount of LNAPL has occasionally been observed in wells MW-0111-S2, and MW-0205-S2A. The observed LNAPL thickness at these three locations has ranged from 0.01 to 2.0 feet since monitoring began. The wells were gauged during the October 2010 monitoring. LNAPL measurements collected at the Transmission Test Cells Area are tabulated on Table 1 and the extent of observed LNAPL is presented on Drawing 5.

7.2 Absorbent Sock Operation and Maintenance

Beginning in February 2003, absorbent socks were installed in monitoring wells associated with the Transmission Test Cells Area. During semi-annual O&M activities completed during the second half of 2010, the absorbent socks were replaced if saturated with LNAPL. Table 14 lists the wells in which absorbent socks were installed and are currently monitored on a semi-annual basis.

Presently, three monitoring wells have absorbent socks maintained because either measurable amounts of LNAPL or LNAPL globules have been observed. The monitoring well socks used contain approximately six to eight ounces of absorbent polymer each. Therefore, an estimated total in excess of 26.1 gallons has been removed since absorbent socks were installed in February 2003, and approximately 2.27 gallons of that total was recovered during the second half of 2010.

Appendix A

Analytical Laboratory Reports
(Provided as a Compact Disk)

Appendix B

Cumulative TPH-Diesel Recovered

Appendix C

AOI 51 SVE and Groundwater Recovery System PCE Discharge

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

September 17, 2010

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on September 03, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5041007001	**Outfall-004-Influent(090310)**	Water	09/03/10 09:00	09/03/10 11:04
5041007002	**Outfall-004-Effluent(090310)**	Water	09/03/10 09:05	09/03/10 11:04
5041007003	**Outfall-003(090310)**	Water	09/03/10 09:50	09/03/10 11:04

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SAMPLE ANALYTE COUNT

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5041007001	**Outfall-004-Influent(090310)**	EPA 624	ALA	36	PASI-I
5041007002	**Outfall-004-Effluent(090310)**	EPA 624	ALA	36	PASI-I
5041007003	**Outfall-003(090310)**	EPA 1664A	SRM1	1	PASI-K
		EPA 1664A	SRM1	1	PASI-K

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ANALYTICAL RESULTS

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Sample: Outfall-004-Influent(090310) **Lab ID: 5041007001** Collected: 09/03/10 09:00 Received: 09/03/10 11:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		09/13/10 17:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		09/13/10 17:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/13/10 17:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/13/10 17:30	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		09/13/10 17:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/13/10 17:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		09/13/10 17:30	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		09/13/10 17:30	110-75-8	
Chloroform	ND	ug/L	5.0	1		09/13/10 17:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		09/13/10 17:30	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		09/13/10 17:30	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/13/10 17:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		09/13/10 17:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/13/10 17:30	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/13/10 17:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/13/10 17:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/13/10 17:30	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/13/10 17:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/13/10 17:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/13/10 17:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/13/10 17:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/13/10 17:30	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		09/13/10 17:30	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		09/13/10 17:30	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/13/10 17:30	79-34-5	
Tetrachloroethene	**7610**	ug/L	500	100		09/14/10 23:42	127-18-4	
Toluene	ND	ug/L	5.0	1		09/13/10 17:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/13/10 17:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/13/10 17:30	79-00-5	
Trichloroethene	**221**	ug/L	5.0	1		09/13/10 17:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		09/13/10 17:30	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		09/13/10 17:30	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		09/13/10 17:30	1330-20-7	
Dibromofluoromethane (S)	94	%	88-119	1		09/13/10 17:30	1868-53-7	
4-Bromofluorobenzene (S)	95	%	82-116	1		09/13/10 17:30	460-00-4	
Toluene-d8 (S)	95	%	86-112	1		09/13/10 17:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Sample: Outfall-004-Effluent(090310) **Lab ID: 5041007002** Collected: 09/03/10 09:05 Received: 09/03/10 11:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		09/13/10 18:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		09/13/10 18:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		09/13/10 18:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/13/10 18:02	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		09/13/10 18:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		09/13/10 18:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		09/13/10 18:02	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		09/13/10 18:02	110-75-8	
Chloroform	ND	ug/L	5.0	1		09/13/10 18:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		09/13/10 18:02	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		09/13/10 18:02	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		09/13/10 18:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		09/13/10 18:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		09/13/10 18:02	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		09/13/10 18:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		09/13/10 18:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		09/13/10 18:02	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		09/13/10 18:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		09/13/10 18:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		09/13/10 18:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		09/13/10 18:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		09/13/10 18:02	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		09/13/10 18:02	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		09/13/10 18:02	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		09/13/10 18:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		09/13/10 18:02	127-18-4	
Toluene	ND	ug/L	5.0	1		09/13/10 18:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		09/13/10 18:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		09/13/10 18:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		09/13/10 18:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		09/13/10 18:02	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		09/13/10 18:02	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		09/13/10 18:02	1330-20-7	
Dibromofluoromethane (S)	95	%	88-119	1		09/13/10 18:02	1868-53-7	
4-Bromofluorobenzene (S)	97	%	82-116	1		09/13/10 18:02	460-00-4	
Toluene-d8 (S)	97	%	86-112	1		09/13/10 18:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

Sample: Outfall-003(090310) **Lab ID: 5041007003** Collected: 09/03/10 09:50 Received: 09/03/10 11:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		09/13/10 09:38		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		09/13/10 09:57		

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QUALITY CONTROL DATA

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

QC Batch: MSV/26609 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 5041007001, 5041007002

METHOD BLANK: 479735 Matrix: Water
Associated Lab Samples: 5041007001, 5041007002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	09/13/10 15:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	09/13/10 15:22	
1,1,2-Trichloroethane	ug/L	ND	5.0	09/13/10 15:22	
1,1-Dichloroethane	ug/L	ND	5.0	09/13/10 15:22	
1,1-Dichloroethene	ug/L	ND	5.0	09/13/10 15:22	
1,2-Dichlorobenzene	ug/L	ND	5.0	09/13/10 15:22	
1,2-Dichloroethane	ug/L	ND	5.0	09/13/10 15:22	
1,2-Dichloropropane	ug/L	ND	5.0	09/13/10 15:22	
1,3-Dichlorobenzene	ug/L	ND	5.0	09/13/10 15:22	
1,4-Dichlorobenzene	ug/L	ND	5.0	09/13/10 15:22	
2-Chloroethylvinyl ether	ug/L	ND	50.0	09/13/10 15:22	
Benzene	ug/L	ND	5.0	09/13/10 15:22	
Bromodichloromethane	ug/L	ND	5.0	09/13/10 15:22	
Bromoform	ug/L	ND	5.0	09/13/10 15:22	
Bromomethane	ug/L	ND	5.0	09/13/10 15:22	
Carbon tetrachloride	ug/L	ND	5.0	09/13/10 15:22	
Chlorobenzene	ug/L	ND	5.0	09/13/10 15:22	
Chloroethane	ug/L	ND	5.0	09/13/10 15:22	
Chloroform	ug/L	ND	5.0	09/13/10 15:22	
Chloromethane	ug/L	ND	5.0	09/13/10 15:22	
cis-1,3-Dichloropropene	ug/L	ND	5.0	09/13/10 15:22	
Dibromochloromethane	ug/L	ND	5.0	09/13/10 15:22	
Ethylbenzene	ug/L	ND	5.0	09/13/10 15:22	
Methyl-tert-butyl ether	ug/L	ND	5.0	09/13/10 15:22	
Methylene chloride	ug/L	ND	5.0	09/13/10 15:22	
Tetrachloroethene	ug/L	ND	5.0	09/13/10 15:22	
Toluene	ug/L	ND	5.0	09/13/10 15:22	
trans-1,2-Dichloroethene	ug/L	ND	5.0	09/13/10 15:22	
trans-1,3-Dichloropropene	ug/L	ND	5.0	09/13/10 15:22	
Trichloroethene	ug/L	ND	5.0	09/13/10 15:22	
Trichlorofluoromethane	ug/L	ND	5.0	09/13/10 15:22	
Vinyl chloride	ug/L	ND	2.0	09/13/10 15:22	
Xylene (Total)	ug/L	ND	10.0	09/13/10 15:22	
4-Bromofluorobenzene (S)	%	96	82-116	09/13/10 15:22	
Dibromofluoromethane (S)	%	95	88-119	09/13/10 15:22	
Toluene-d8 (S)	%	95	86-112	09/13/10 15:22	

LABORATORY CONTROL SAMPLE: 479736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.1	80	52-162	

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QUALITY CONTROL DATA

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

LABORATORY CONTROL SAMPLE: 479736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	17.0	85	46-157	
1,1,2-Trichloroethane	ug/L	20	17.1	85	52-150	
1,1-Dichloroethane	ug/L	20	16.3	82	59-155	
1,1-Dichloroethene	ug/L	20	17.6	88	1-234	
1,2-Dichlorobenzene	ug/L	20	16.3	82	18-190	
1,2-Dichloroethane	ug/L	20	15.5	78	49-155	
1,2-Dichloropropane	ug/L	20	17.2	86	1-210	
1,3-Dichlorobenzene	ug/L	20	17.0	85	59-156	
1,4-Dichlorobenzene	ug/L	20	17.6	88	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	19	1-305	
Benzene	ug/L	20	17.6	88	37-151	
Bromodichloromethane	ug/L	20	15.8	79	35-155	
Bromoform	ug/L	20	15.3	77	45-169	
Bromomethane	ug/L	20	17.5	88	1-242	
Carbon tetrachloride	ug/L	20	16.2	81	70-140	
Chlorobenzene	ug/L	20	16.2	81	37-160	
Chloroethane	ug/L	20	18.1	90	14-230	
Chloroform	ug/L	20	15.6	78	51-138	
Chloromethane	ug/L	20	14.0	70	1-273	
cis-1,3-Dichloropropene	ug/L	20	13.8	69	1-227	
Dibromochloromethane	ug/L	20	15.1	75	53-149	
Ethylbenzene	ug/L	20	16.3	82	37-162	
Methyl-tert-butyl ether	ug/L	40	31.0	77	65-135	
Methylene chloride	ug/L	20	17.5	87	1-221	
Tetrachloroethene	ug/L	20	16.0	80	64-148	
Toluene	ug/L	20	16.8	84	47-150	
trans-1,2-Dichloroethene	ug/L	20	16.9	85	54-156	
trans-1,3-Dichloropropene	ug/L	20	13.5	68	17-183	
Trichloroethene	ug/L	20	17.8	89	71-157	
Trichlorofluoromethane	ug/L	20	18.8	94	17-181	
Vinyl chloride	ug/L	20	17.5	88	1-251	
Xylene (Total)	ug/L	60	48.6	81	65-135	
4-Bromofluorobenzene (S)	%			97	82-116	
Dibromofluoromethane (S)	%			96	88-119	
Toluene-d8 (S)	%			95	86-112	

MATRIX SPIKE SAMPLE: 479737

Parameter	Units	5041105002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	40	29.8	74	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	40	24.2	60	69-136	M0
1,1,2-Trichloroethane	ug/L	ND	40	29.4	74	70-145	
1,1-Dichloroethane	ug/L	ND	40	34.1	85	55-143	
1,1-Dichloroethene	ug/L	ND	40	38.5	96	63-146	
1,2-Dichlorobenzene	ug/L	ND	40	28.6	71	29-156	
1,2-Dichloroethane	ug/L	ND	40	30.1	75	69-145	
1,2-Dichloropropane	ug/L	ND	40	31.2	78	73-133	

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QUALITY CONTROL DATA

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

MATRIX SPIKE SAMPLE: 479737

Parameter	Units	5041105002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	ND	40	29.8	74	40-149	
1,4-Dichlorobenzene	ug/L	ND	40	30.3	76	38-146	
2-Chloroethylvinyl ether	ug/L	ND	40	ND	0	50-150	M0
Benzene	ug/L	ND	40	35.0	87	54-144	
Bromodichloromethane	ug/L	ND	40	29.6	74	65-135	
Bromoform	ug/L	ND	40	21.9	55	47-140	
Bromomethane	ug/L	ND	40	23.5	59	40-160	
Carbon tetrachloride	ug/L	ND	40	29.3	73	50-159	
Chlorobenzene	ug/L	ND	40	30.1	75	29-154	
Chloroethane	ug/L	ND	40	36.2	91	33-176	
Chloroform	ug/L	ND	40	32.7	82	58-147	
Chloromethane	ug/L	ND	40	26.7	67	31-153	
cis-1,3-Dichloropropene	ug/L	ND	40	22.4	56	56-114	
Dibromochloromethane	ug/L	ND	40	24.7	62	59-137	
Ethylbenzene	ug/L	ND	40	32.0	80	28-160	
Methyl-tert-butyl ether	ug/L	ND	80	53.1	66	60-158	
Methylene chloride	ug/L	ND	40	35.4	88	30-169	
Tetrachloroethene	ug/L	ND	40	31.5	79	21-156	
Toluene	ug/L	ND	40	32.4	81	37-154	
trans-1,2-Dichloroethene	ug/L	ND	40	40.1	100	59-149	
trans-1,3-Dichloropropene	ug/L	ND	40	18.9	47	54-117	M0
Trichloroethene	ug/L	ND	40	34.5	86	21-165	
Trichlorofluoromethane	ug/L	ND	40	38.3	96	42-168	
Vinyl chloride	ug/L	ND	40	35.8	90	60-144	
Xylene (Total)	ug/L	ND	120	97.0	81	30-163	
4-Bromofluorobenzene (S)	%				99	82-116	
Dibromofluoromethane (S)	%				109	88-119	
Toluene-d8 (S)	%				95	86-112	

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(317)875-5894

QUALITY CONTROL DATA

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

QC Batch: WET/25358 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5041007003

METHOD BLANK: 698620 Matrix: Water
Associated Lab Samples: 5041007003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	09/13/10 09:34	

LABORATORY CONTROL SAMPLE: 698621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.8	94	78-114	

MATRIX SPIKE SAMPLE: 698622

Parameter	Units	6084766001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	17.8	40.8	51.3	82	78-114	

SAMPLE DUPLICATE: 698623

Parameter	Units	6085147002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	12.2	11.4	7	18	

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QUALITY CONTROL DATA

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

QC Batch: WET/25359 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5041007003

METHOD BLANK: 698624 Matrix: Water
Associated Lab Samples: 5041007003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	09/13/10 09:54	

LABORATORY CONTROL SAMPLE: 698625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	15.4	77	64-132	

MATRIX SPIKE SAMPLE: 698626

Parameter	Units	6084766001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.4	13.0	58	64-132	M0

SAMPLE DUPLICATE: 698627

Parameter	Units	6085147002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.9J		34	

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QUALIFIERS

Project: Allison Outfall IN000473.19
Pace Project No.: 5041007

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

1034

ID # Nº 09311

SSOW Ref. Code: E027025

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 251 E. Ohio St. Suite 800	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison trans
Fax: 317-231-6514	Project Number: IN473.14
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location:	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Analysis and Method

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	TTO VOC (624)	TPH/OA-G (1664)	Remarks/Lab ID
1.	Outfall - 004 - Influent (090310)	IN	9/3/10	9:00 AM	3		3					3		001
2.	Outfall - 004 - Effluent (090310)	WT	9/3/10	9:00 AM	3		3					3		002
3.	Outfall - 003 - (090310)	WT	9/3/10		2		2						2	003
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														
12.														
13.														
14.														
15.														
	TOTAL NUMBER OF CONTAINERS													

5041 007

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Scott Malefyt / Arcadis	9/3/10	1030 AM	/ ARCADIS	9/3/10	10:30
AIRBILL NO.		/ ARCADIS	9/3/10	11:04	/ Pace	9/3/10	1104

Sample Condition

Temp in °C	4.1
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Scott Malefyt

Sampler Signature: Scott Malefyt Date: 9/3/2010

xII Client del

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

GM REALM
ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09311

SSOW Ref. Code: EO27025

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 251 E. Ohio St. Suite 800	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison trans
Fax: 317-231-6514	Project Number: IN473.14
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location:	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: TTO VOC (624)	TPH/DRO (1664)	Remarks/Lab ID
1. Outfall-004-Influent (090310)	IN	9/3/10	9:00 AM	3		3					3		001
2. Outfall-004-Effluent (090310)	WT	9/3/10	9:00 AM	3		3					3		002
3. Outfall-003-(090310)	WT	9/3/10		2		2						2	003
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
TOTAL NUMBER OF CONTAINERS													

5041 007

deleted hyphen after sample ID, so that revised sample ID is OUTFALL-003(090310). FSK will reflect change also, other sample names revised to be: OUTFALL-004-Influent(090310) and OUTFALL-004-Effluent(090310)

Effluent Sample 09:05
003 sample at 09:50
Eric Moosbrugger confirmed with Scott Malefyt (sampler) @ 15:24 on 09/07/2010
FSK will reflect the changes.

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Scott Malefyt / Arcadis	9/3/10	1030 AM	/ ARCADIS	9/3/10	10:30
AIRBILL NO.		/ ARCADIS	9/3/10	11:04		9/3/10	1104

Sample Condition

Temp in °C	4.1
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Scott Malefyt

Sampler Signature: Scott Malefyt Date: 9/3/2010

KLI Client del

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: ARCADIS Project # 5049007

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☑ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other Ice/foam block

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature 4.1 C **Ice Visible in Sample Containers:** ☐ yes ☐ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 9/3/10

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No ☑N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☐Yes ☐No ☑N/A	11.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 9/3/10

Sample Container Count

CLIENT: ARCADIS

COC PAGE 1 of 1

COC ID# 09311

Project # 5041007

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2	3															
3												2				
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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(317)875-5894

November 16, 2010

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027027/Allison Outfall
Pace Project No.: 5043062

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: E027027/Allison Outfall
Pace Project No.: 5043062

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: E027027/Allison Outfall
Pace Project No.: 5043062

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043062001	**Outfall-003(110210)**	Water	11/02/10 11:00	11/02/10 14:20

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SAMPLE ANALYTE COUNT

Project: E027027/Allison Outfall
Pace Project No.: 5043062

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5043062001	**Outfall-003(110210)**	EPA 625	PPM	58	PASI-C
		EPA 624	ALA	36	PASI-I

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ANALYTICAL RESULTS

Project: E027027/Allison Outfall
Pace Project No.: 5043062

Sample: Outfall-003(110210) **Lab ID: 5043062001** Collected: 11/02/10 11:00 Received: 11/02/10 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Acenaphthene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	83-32-9	
Acenaphthylene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	208-96-8	
Anthracene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.5	1	11/04/10 14:30	11/09/10 00:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	91-58-7	
2-Chlorophenol	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	7005-72-3	
Chrysene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	26.3	1	11/04/10 14:30	11/09/10 00:16	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	120-83-2	
Diethylphthalate	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.5	1	11/04/10 14:30	11/09/10 00:16	105-67-9	
Dimethylphthalate	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	21.1	1	11/04/10 14:30	11/09/10 00:16	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.6	1	11/04/10 14:30	11/09/10 00:16	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	117-81-7	
Fluoranthene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	206-44-0	
Fluorene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	87-68-3	
Hexachlorobenzene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.5	1	11/04/10 14:30	11/09/10 00:16	77-47-4	
Hexachloroethane	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	193-39-5	
Isophorone	ND	ug/L	10.5	1	11/04/10 14:30	11/09/10 00:16	78-59-1	
Naphthalene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	91-20-3	
Nitrobenzene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	98-95-3	
2-Nitrophenol	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	88-75-5	
4-Nitrophenol	ND	ug/L	52.6	1	11/04/10 14:30	11/09/10 00:16	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.5	1	11/04/10 14:30	11/09/10 00:16	86-30-6	
Pentachlorophenol	ND	ug/L	26.3	1	11/04/10 14:30	11/09/10 00:16	87-86-5	

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Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: E027027/Allison Outfall
Pace Project No.: 5043062

Sample: Outfall-003(110210) **Lab ID: 5043062001** Collected: 11/02/10 11:00 Received: 11/02/10 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Phenanthrene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	85-01-8	
Phenol	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	108-95-2	
Pyrene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.3	1	11/04/10 14:30	11/09/10 00:16	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.5	1	11/04/10 14:30	11/09/10 00:16	88-06-2	
Nitrobenzene-d5 (S)	39	%	10-120	1	11/04/10 14:30	11/09/10 00:16	4165-60-0	
2-Fluorobiphenyl (S)	52	%	15-120	1	11/04/10 14:30	11/09/10 00:16	321-60-8	
Terphenyl-d14 (S)	64	%	11-131	1	11/04/10 14:30	11/09/10 00:16	1718-51-0	
Phenol-d6 (S)	19	%	10-120	1	11/04/10 14:30	11/09/10 00:16	13127-88-3	
2-Fluorophenol (S)	24	%	10-120	1	11/04/10 14:30	11/09/10 00:16	367-12-4	
2,4,6-Tribromophenol (S)	69	%	10-137	1	11/04/10 14:30	11/09/10 00:16	118-79-6	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	**16.4**	ug/L	5.0	1		11/12/10 20:18	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 20:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 20:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 20:18	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 20:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 20:18	108-90-7	
Chloroethane	**35.8**	ug/L	5.0	1		11/12/10 20:18	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		11/12/10 20:18	110-75-8	
Chloroform	ND	ug/L	5.0	1		11/12/10 20:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 20:18	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 20:18	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 20:18	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 20:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 20:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 20:18	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 20:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 20:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 20:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 20:18	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 20:18	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		11/12/10 20:18	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 20:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 20:18	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 20:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 20:18	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 20:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 20:18	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 20:18	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 20:18	1330-20-7	
Dibromofluoromethane (S)	98	%	88-119	1		11/12/10 20:18	1868-53-7	

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ANALYTICAL RESULTS

Project: E027027/Allison Outfall
Pace Project No.: 5043062

Sample: Outfall-003(110210) **Lab ID: 5043062001** Collected: 11/02/10 11:00 Received: 11/02/10 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
4-Bromofluorobenzene (S)	94	%	82-116	1		11/12/10 20:18	460-00-4	
Toluene-d8 (S)	101	%	86-112	1		11/12/10 20:18	2037-26-5	

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

QC Batch: MSSV/11742 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 5043062001

METHOD BLANK: 522952 Matrix: Water
Associated Lab Samples: 5043062001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/05/10 17:54	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/05/10 17:54	
2,4-Dichlorophenol	ug/L	ND	5.0	11/05/10 17:54	
2,4-Dimethylphenol	ug/L	ND	10.0	11/05/10 17:54	
2,4-Dinitrophenol	ug/L	ND	50.0	11/05/10 17:54	
2,4-Dinitrotoluene	ug/L	ND	5.0	11/05/10 17:54	
2,6-Dinitrotoluene	ug/L	ND	5.0	11/05/10 17:54	
2-Chloronaphthalene	ug/L	ND	5.0	11/05/10 17:54	
2-Chlorophenol	ug/L	ND	5.0	11/05/10 17:54	
2-Nitrophenol	ug/L	ND	5.0	11/05/10 17:54	
3,3'-Dichlorobenzidine	ug/L	ND	25.0	11/05/10 17:54	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	11/05/10 17:54	
4-Bromophenylphenyl ether	ug/L	ND	5.0	11/05/10 17:54	
4-Chloro-3-methylphenol	ug/L	ND	5.0	11/05/10 17:54	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	11/05/10 17:54	
4-Nitrophenol	ug/L	ND	50.0	11/05/10 17:54	
Acenaphthene	ug/L	ND	5.0	11/05/10 17:54	
Acenaphthylene	ug/L	ND	5.0	11/05/10 17:54	
Anthracene	ug/L	ND	5.0	11/05/10 17:54	
Benzo(a)anthracene	ug/L	ND	5.0	11/05/10 17:54	
Benzo(a)pyrene	ug/L	ND	5.0	11/05/10 17:54	
Benzo(b)fluoranthene	ug/L	ND	5.0	11/05/10 17:54	
Benzo(g,h,i)perylene	ug/L	ND	5.0	11/05/10 17:54	
Benzo(k)fluoranthene	ug/L	ND	5.0	11/05/10 17:54	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/05/10 17:54	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	11/05/10 17:54	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	11/05/10 17:54	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	11/05/10 17:54	
Butylbenzylphthalate	ug/L	ND	5.0	11/05/10 17:54	
Chrysene	ug/L	ND	5.0	11/05/10 17:54	
Di-n-butylphthalate	ug/L	ND	5.0	11/05/10 17:54	
Di-n-octylphthalate	ug/L	ND	5.0	11/05/10 17:54	
Dibenz(a,h)anthracene	ug/L	ND	5.0	11/05/10 17:54	
Diethylphthalate	ug/L	ND	5.0	11/05/10 17:54	
Dimethylphthalate	ug/L	ND	5.0	11/05/10 17:54	
Fluoranthene	ug/L	ND	5.0	11/05/10 17:54	
Fluorene	ug/L	ND	5.0	11/05/10 17:54	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/05/10 17:54	
Hexachlorobenzene	ug/L	ND	5.0	11/05/10 17:54	
Hexachlorocyclopentadiene	ug/L	ND	10.0	11/05/10 17:54	
Hexachloroethane	ug/L	ND	5.0	11/05/10 17:54	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	11/05/10 17:54	
Isophorone	ug/L	ND	10.0	11/05/10 17:54	

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

METHOD BLANK: 522952 Matrix: Water

Associated Lab Samples: 5043062001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	11/05/10 17:54	
N-Nitrosodimethylamine	ug/L	ND	5.0	11/05/10 17:54	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/05/10 17:54	
Naphthalene	ug/L	ND	5.0	11/05/10 17:54	
Nitrobenzene	ug/L	ND	5.0	11/05/10 17:54	
Pentachlorophenol	ug/L	ND	25.0	11/05/10 17:54	
Phenanthrene	ug/L	ND	5.0	11/05/10 17:54	
Phenol	ug/L	ND	5.0	11/05/10 17:54	
Pyrene	ug/L	ND	5.0	11/05/10 17:54	
2,4,6-Tribromophenol (S)	%	54	10-137	11/05/10 17:54	
2-Fluorobiphenyl (S)	%	44	15-120	11/05/10 17:54	
2-Fluorophenol (S)	%	26	10-120	11/05/10 17:54	
Nitrobenzene-d5 (S)	%	44	10-120	11/05/10 17:54	
Phenol-d6 (S)	%	17	10-120	11/05/10 17:54	
Terphenyl-d14 (S)	%	66	11-131	11/05/10 17:54	

LABORATORY CONTROL SAMPLE: 522953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	29.4	59	44-142	
2,4,6-Trichlorophenol	ug/L	50	40.0	80	37-144	
2,4-Dichlorophenol	ug/L	50	39.6	79	1-191	
2,4-Dimethylphenol	ug/L	50	38.4	77	32-119	
2,4-Dinitrophenol	ug/L	250	175	70	1-181	
2,4-Dinitrotoluene	ug/L	50	41.0	82	39-139	
2,6-Dinitrotoluene	ug/L	50	39.8	80	50-158	
2-Chloronaphthalene	ug/L	50	39.9	80	60-118	
2-Chlorophenol	ug/L	50	36.1	72	23-134	
2-Nitrophenol	ug/L	50	36.3	73	29-182	
3,3'-Dichlorobenzidine	ug/L	100	61.0	61	1-262	
4,6-Dinitro-2-methylphenol	ug/L	100	76.1	76	1-181	
4-Bromophenylphenyl ether	ug/L	50	40.1	80	53-127	
4-Chloro-3-methylphenol	ug/L	100	87.8	88	22-147	
4-Chlorophenylphenyl ether	ug/L	50	42.0	84	25-158	
4-Nitrophenol	ug/L	250	103	41	1-132	
Acenaphthene	ug/L	50	42.9	86	47-145	
Acenaphthylene	ug/L	50	41.6	83	33-145	
Anthracene	ug/L	50	41.7	83	1-166	
Benzo(a)anthracene	ug/L	50	42.0	84	33-143	
Benzo(a)pyrene	ug/L	50	39.9	80	17-163	
Benzo(b)fluoranthene	ug/L	50	39.9	80	24-159	
Benzo(g,h,i)perylene	ug/L	50	41.3	83	1-219	
Benzo(k)fluoranthene	ug/L	50	42.8	86	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	38.8	78	33-184	
bis(2-Chloroethyl) ether	ug/L	50	40.0	80	12-158	

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

LABORATORY CONTROL SAMPLE: 522953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	38.1	76	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	37.0	74	8-158	
Butylbenzylphthalate	ug/L	50	37.1	74	1-152	
Chrysene	ug/L	50	42.4	85	17-168	
Di-n-butylphthalate	ug/L	50	38.3	77	1-118	
Di-n-octylphthalate	ug/L	50	35.3	71	4-146	
Dibenz(a,h)anthracene	ug/L	50	40.5	81	1-227	
Diethylphthalate	ug/L	50	39.4	79	1-114	
Dimethylphthalate	ug/L	50	38.4	77	1-112	
Fluoranthene	ug/L	50	43.7	87	26-137	
Fluorene	ug/L	50	43.6	87	59-121	
Hexachloro-1,3-butadiene	ug/L	50	24.6	49	24-116	
Hexachlorobenzene	ug/L	50	38.5	77	1-152	
Hexachlorocyclopentadiene	ug/L	50	31.6	63	25-150	
Hexachloroethane	ug/L	50	22.5	45	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	40.3	81	1-171	
Isophorone	ug/L	50	42.7	85	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	45.3	91	1-230	
N-Nitrosodimethylamine	ug/L	50	24.8	50	25-150	
N-Nitrosodiphenylamine	ug/L	50	40.9	82	25-150	
Naphthalene	ug/L	50	35.0	70	21-133	
Nitrobenzene	ug/L	50	37.5	75	35-180	
Pentachlorophenol	ug/L	100	80.7	81	14-176	
Phenanthrene	ug/L	50	42.2	84	54-120	
Phenol	ug/L	50	16.7	33	5-112	
Pyrene	ug/L	50	41.4	83	52-115	
2,4,6-Tribromophenol (S)	%			74	10-137	
2-Fluorobiphenyl (S)	%			71	15-120	
2-Fluorophenol (S)	%			41	10-120	
Nitrobenzene-d5 (S)	%			69	10-120	
Phenol-d6 (S)	%			29	10-120	
Terphenyl-d14 (S)	%			73	11-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522954 522955

Parameter	Units	9281213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	111	111	70.0	71.8	63	65	44-142	3	30	
2,4,6-Trichlorophenol	ug/L	ND	111	111	93.8	96.3	84	87	37-144	3	30	
2,4-Dichlorophenol	ug/L	ND	111	111	86.6	86.9	78	78	1-191	0	30	
2,4-Dimethylphenol	ug/L	ND	111	111	90.1	89.4	81	80	32-119	1	30	
2,4-Dinitrophenol	ug/L	ND	556	556	344	351	62	63	1-181	2	30	
2,4-Dinitrotoluene	ug/L	ND	111	111	93.2	87.6	84	79	39-139	6	30	
2,6-Dinitrotoluene	ug/L	ND	111	111	90.8	88.4	82	80	50-158	3	30	
2-Chloronaphthalene	ug/L	ND	111	111	87.0	87.8	78	79	60-118	1	30	
2-Chlorophenol	ug/L	ND	111	111	79.6	84.7	72	76	23-134	6	30	
2-Nitrophenol	ug/L	ND	111	111	86.4	87.9	78	79	29-182	2	30	

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522954 522955

Parameter	Units	9281213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3'-Dichlorobenzidine	ug/L	ND	222	222	141	115	63	52	1-262	20	30	
4,6-Dinitro-2-methylphenol	ug/L	ND	222	222	146	154	65	69	1-181	6	30	
4-Bromophenylphenyl ether	ug/L	ND	111	111	85.1	88.1	77	79	53-127	3	30	
4-Chloro-3-methylphenol	ug/L	ND	222	222	178	173	80	78	22-147	3	30	
4-Chlorophenylphenyl ether	ug/L	ND	111	111	93.4	89.7	84	81	25-158	4	30	
4-Nitrophenol	ug/L	ND	556	556	329	301	59	54	1-132	9	30	
Acenaphthene	ug/L	ND	111	111	90.6	91.0	82	82	47-145	0	30	
Acenaphthylene	ug/L	ND	111	111	88.6	89.2	80	80	33-145	1	30	
Anthracene	ug/L	ND	111	111	89.7	89.5	81	81	1-166	0	30	
Benzo(a)anthracene	ug/L	ND	111	111	85.7	88.2	77	79	33-143	3	30	
Benzo(a)pyrene	ug/L	ND	111	111	78.4	80.5	71	72	17-163	3	30	
Benzo(b)fluoranthene	ug/L	ND	111	111	81.1	84.0	73	76	24-159	4	30	
Benzo(g,h,i)perylene	ug/L	ND	111	111	76.2	77.8	69	70	1-219	2	30	
Benzo(k)fluoranthene	ug/L	ND	111	111	80.4	82.7	72	74	11-162	3	30	
bis(2-Chloroethoxy)methane	ug/L	ND	111	111	79.2	79.4	71	71	33-184	0	30	
bis(2-Chloroethyl) ether	ug/L	ND	111	111	84.1	89.4	76	80	12-158	6	30	
bis(2-Chloroisopropyl) ether	ug/L	ND	111	111	72.7	76.6	65	69	36-166	5	30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	111	111	79.8	84.7	72	76	8-158	6	30	
Butylbenzylphthalate	ug/L	ND	111	111	82.3	87.4	74	79	1-152	6	30	
Chrysene	ug/L	ND	111	111	83.5	86.7	75	78	17-168	4	30	
Di-n-butylphthalate	ug/L	ND	111	111	81.7	79.7	74	72	1-118	3	30	
Di-n-octylphthalate	ug/L	ND	111	111	79.4	80.4	71	72	4-146	1	30	
Dibenz(a,h)anthracene	ug/L	ND	111	111	77.3	78.5	70	71	1-227	2	30	
Diethylphthalate	ug/L	ND	111	111	84.6	80.1	76	72	1-114	5	30	
Dimethylphthalate	ug/L	ND	111	111	83.0	80.5	75	72	1-112	3	30	
Fluoranthene	ug/L	ND	111	111	89.5	84.6	81	76	26-137	6	30	
Fluorene	ug/L	ND	111	111	94.2	90.3	85	81	59-121	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	111	111	60.7	62.0	55	56	24-116	2	30	
Hexachlorobenzene	ug/L	ND	111	111	83.1	85.0	75	76	1-152	2	30	
Hexachlorocyclopentadiene	ug/L	ND	111	111	79.5	86.1	72	78	25-150	8	30	
Hexachloroethane	ug/L	ND	111	111	52.3	54.1	47	49	40-113	3	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	111	111	76.5	78.4	69	71	1-171	2	30	
Isophorone	ug/L	ND	111	111	84.9	84.2	76	76	21-196	1	30	
N-Nitroso-di-n-propylamine	ug/L	ND	111	111	82.0	89.0	74	80	1-230	8	30	
N-Nitrosodimethylamine	ug/L	ND	111	111	90.4	92.0	81	83	25-150	2	30	
N-Nitrosodiphenylamine	ug/L	ND	111	111	86.2	89.8	78	81	25-150	4	30	
Naphthalene	ug/L	ND	111	111	78.8	78.7	71	71	21-133	0	30	
Nitrobenzene	ug/L	ND	111	111	77.7	77.9	70	70	35-180	0	30	
Pentachlorophenol	ug/L	ND	222	222	189	183	85	82	14-176	3	30	
Phenanthrene	ug/L	ND	111	111	87.1	87.5	78	79	54-120	1	30	
Phenol	ug/L	ND	111	111	54.9	62.7	49	56	5-112	13	30	
Pyrene	ug/L	ND	111	111	91.6	98.8	82	89	52-115	8	30	
2,4,6-Tribromophenol (S)	%						88	82	10-137			
2-Fluorobiphenyl (S)	%						72	73	15-120			
2-Fluorophenol (S)	%						55	58	10-120			
Nitrobenzene-d5 (S)	%						69	69	10-120			
Phenol-d6 (S)	%						45	48	10-120			

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(317)875-5894

QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522954 522955

Parameter	Units	9281213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Terphenyl-d14 (S)	%						84	85	11-131			

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

QC Batch: MSV/28235 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 5043062001

METHOD BLANK: 507887 Matrix: Water
Associated Lab Samples: 5043062001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/12/10 14:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/12/10 14:09	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/12/10 14:09	
1,1-Dichloroethane	ug/L	ND	5.0	11/12/10 14:09	
1,1-Dichloroethene	ug/L	ND	5.0	11/12/10 14:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/12/10 14:09	
1,2-Dichloroethane	ug/L	ND	5.0	11/12/10 14:09	
1,2-Dichloropropane	ug/L	ND	5.0	11/12/10 14:09	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/12/10 14:09	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/12/10 14:09	
2-Chloroethylvinyl ether	ug/L	ND	50.0	11/12/10 14:09	
Benzene	ug/L	ND	5.0	11/12/10 14:09	
Bromodichloromethane	ug/L	ND	5.0	11/12/10 14:09	
Bromoform	ug/L	ND	5.0	11/12/10 14:09	
Bromomethane	ug/L	ND	5.0	11/12/10 14:09	
Carbon tetrachloride	ug/L	ND	5.0	11/12/10 14:09	
Chlorobenzene	ug/L	ND	5.0	11/12/10 14:09	
Chloroethane	ug/L	ND	5.0	11/12/10 14:09	
Chloroform	ug/L	ND	5.0	11/12/10 14:09	
Chloromethane	ug/L	ND	5.0	11/12/10 14:09	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/12/10 14:09	
Dibromochloromethane	ug/L	ND	5.0	11/12/10 14:09	
Ethylbenzene	ug/L	ND	5.0	11/12/10 14:09	
Methyl-tert-butyl ether	ug/L	ND	5.0	11/12/10 14:09	
Methylene chloride	ug/L	ND	5.0	11/12/10 14:09	
Tetrachloroethene	ug/L	ND	5.0	11/12/10 14:09	
Toluene	ug/L	ND	5.0	11/12/10 14:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/12/10 14:09	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/12/10 14:09	
Trichloroethene	ug/L	ND	5.0	11/12/10 14:09	
Trichlorofluoromethane	ug/L	ND	5.0	11/12/10 14:09	
Vinyl chloride	ug/L	ND	2.0	11/12/10 14:09	
Xylene (Total)	ug/L	ND	10.0	11/12/10 14:09	
4-Bromofluorobenzene (S)	%	93	82-116	11/12/10 14:09	
Dibromofluoromethane (S)	%	99	88-119	11/12/10 14:09	
Toluene-d8 (S)	%	102	86-112	11/12/10 14:09	

LABORATORY CONTROL SAMPLE: 507888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.2	101	52-162	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

LABORATORY CONTROL SAMPLE: 507888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	46-157	
1,1,2-Trichloroethane	ug/L	20	20.3	102	52-150	
1,1-Dichloroethane	ug/L	20	19.4	97	59-155	
1,1-Dichloroethene	ug/L	20	18.4	92	1-234	
1,2-Dichlorobenzene	ug/L	20	19.8	99	18-190	
1,2-Dichloroethane	ug/L	20	19.5	97	49-155	
1,2-Dichloropropane	ug/L	20	18.8	94	1-210	
1,3-Dichlorobenzene	ug/L	20	21.9	109	59-156	
1,4-Dichlorobenzene	ug/L	20	21.2	106	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	35	1-305	
Benzene	ug/L	20	19.9	99	37-151	
Bromodichloromethane	ug/L	20	20.0	100	35-155	
Bromoform	ug/L	20	16.7	84	45-169	
Bromomethane	ug/L	20	19.7	98	1-242	
Carbon tetrachloride	ug/L	20	19.0	95	70-140	
Chlorobenzene	ug/L	20	19.7	99	37-160	
Chloroethane	ug/L	20	17.3	86	14-230	
Chloroform	ug/L	20	19.9	100	51-138	
Chloromethane	ug/L	20	14.7	74	1-273	
cis-1,3-Dichloropropene	ug/L	20	18.4	92	1-227	
Dibromochloromethane	ug/L	20	16.9	85	53-149	
Ethylbenzene	ug/L	20	20.5	103	37-162	
Methyl-tert-butyl ether	ug/L	40	36.3	91	65-135	
Methylene chloride	ug/L	20	19.4	97	1-221	
Tetrachloroethene	ug/L	20	20.9	104	64-148	
Toluene	ug/L	20	20.3	102	47-150	
trans-1,2-Dichloroethene	ug/L	20	19.5	98	54-156	
trans-1,3-Dichloropropene	ug/L	20	17.2	86	17-183	
Trichloroethene	ug/L	20	20.3	101	71-157	
Trichlorofluoromethane	ug/L	20	17.2	86	17-181	
Vinyl chloride	ug/L	20	16.3	82	1-251	
Xylene (Total)	ug/L	60	62.0	103	65-135	
4-Bromofluorobenzene (S)	%			95	82-116	
Dibromofluoromethane (S)	%			99	88-119	
Toluene-d8 (S)	%			100	86-112	

MATRIX SPIKE SAMPLE: 507889

Parameter	Units	5043008003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	29.6	148	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	23.9	119	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	28.1	140	70-145	
1,1-Dichloroethane	ug/L	ND	20	28.7	143	55-143	
1,1-Dichloroethene	ug/L	ND	20	28.0	140	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	27.3	137	29-156	
1,2-Dichloroethane	ug/L	ND	20	28.8	144	69-145	
1,2-Dichloropropane	ug/L	ND	20	27.9	140	73-133	

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QUALITY CONTROL DATA

Project: E027027/Allison Outfall
Pace Project No.: 5043062

MATRIX SPIKE SAMPLE: 507889

Parameter	Units	5043008003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	ND	20	29.3	147	40-149	
1,4-Dichlorobenzene	ug/L	ND	20	29.4	147	38-146	
2-Chloroethylvinyl ether	ug/L	ND	20	ND	0	50-150	
Benzene	ug/L	ND	20	29.6	148	54-144	
Bromodichloromethane	ug/L	ND	20	27.8	139	65-135	
Bromoform	ug/L	ND	20	21.0	105	47-140	
Bromomethane	ug/L	ND	20	26.4	132	40-160	
Carbon tetrachloride	ug/L	ND	20	27.7	139	50-159	
Chlorobenzene	ug/L	ND	20	28.7	144	29-154	
Chloroethane	ug/L	ND	20	26.1	130	33-176	
Chloroform	ug/L	ND	20	29.5	147	58-147	
Chloromethane	ug/L	ND	20	22.1	111	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	25.1	126	56-114	
Dibromochloromethane	ug/L	ND	20	24.2	121	59-137	
Ethylbenzene	ug/L	ND	20	30.2	151	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	47.2	118	60-158	
Methylene chloride	ug/L	ND	20	24.5	123	30-169	
Tetrachloroethene	ug/L	ND	20	59.2	296	21-156	
Toluene	ug/L	ND	20	28.5	142	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	29.1	146	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	21.1	106	54-117	
Trichloroethene	ug/L	ND	20	31.2	156	21-165	
Trichlorofluoromethane	ug/L	ND	20	27.2	136	42-168	
Vinyl chloride	ug/L	ND	20	26.8	134	60-144	
Xylene (Total)	ug/L	ND	60	89.9	150	30-163	
4-Bromofluorobenzene (S)	%				92	82-116	
Dibromofluoromethane (S)	%				102	88-119	1d
Toluene-d8 (S)	%				98	86-112	

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QUALIFIERS

Project: E027027/Allison Outfall
Pace Project No.: 5043062

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Several compounds are outside of acceptance limits for percent recovery; refer to batch QC for system control. aa 11/15/10

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

VK

PAGE 1 OF 1

Required Client Information:

Company: ARCADIS	Report To: E. MOOSBRUGGER
Address: 251 E OHIO St. #800	Copy To: S. FISHER
	Invoice To: CORPORATE
INDPLS, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: ALLISON TRANS
Fax: 6514	Project Number: IN473.19.5
E-mail: EMOOSBRUGGER@ARCADIS-US.COM	

Laboratory: PACE ANALYTICAL	
Laboratory Location: INDIANAPOLIS, IN	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

ID # Nº 09289

SSOW Ref. Code: E027027

5043062

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs (624)	SVOC (625)	Remarks/Lab ID
1. Outfall - 003 (110210)	WT	2 NOV 10	11:00	5	2	3					X	X	601
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
TOTAL NUMBER OF CONTAINERS													

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
HAND	1	C. Botrum / ARCADIS	11/2/10	1420	K. Cool Luke	11/2/10	1420
AIRBILL NO.							

Sample Condition

Temp in °C	6.4
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments: WT Client data

Sampler Name: CHAD BOTRUM

Sampler Signature: C. Botrum Date: 11-2-10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical Client Name: Arcadis Project # 4043062

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 6.4°C **Ice Visible in Sample Containers:** ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11/2/10

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A Water	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No ☑N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	10.
Trip Blank Present:	☐Yes ☐No ☑N/A	11.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 11/3/10

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09289

Project # 5043062

Sample Line Item	DG9H	AG1U	WGFU	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3	2														
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

CONESTOGA-ROVERS & ASSOCIATES

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Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO: Sarah Fisher [SFisher@arcadis-us.com]

REF. NO.: 017307-027027

FROM: Kathleen Willy/bjw/28 scs

DATE: December 13, 2010

E-Mail and Hard Copy If Requested

RE: **Data Quality Assessment and Validation**
Operation and Maintenance
Allison Transmission
Indianapolis, Indiana
November 2010

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the November 2010 collection of 27 samples including three quality control samples from the Allison Transmission Site in Indianapolis, IN. The sample summary detailing sample identification, sample location, QC samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Pace Analytical Services, Inc. located in Indianapolis, IN (Pace), in accordance with the methodologies presented in Table 2. The analytical results are summarized in Table 3.

The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in the analytical method and the "National Functional Guidelines for Organic Data Review" (October 1999).

Full Contract Laboratory Program (CLP)-equivalent raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results and supporting QA/QC provided.

SAMPLE QUANTITATION

The laboratory reported detected concentrations of volatile organic compounds (VOC) below the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J". These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum.

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are presented in the method.

EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

All holding times were met and the samples were received in good condition and properly preserved.

GAS CHROMATOGRAPHY/MASS SPECTROMETER (GC/MS) – CALIBRATION

Prior to analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the volatile organic compound (VOC) method requires the analysis of the specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Instrument tuning data were reviewed. Tuning compounds were analyzed at the required frequency throughout the VOC analysis period. All tuning criteria were met for the analyses, indicating proper optimization of the instrumentation.

INITIAL CALIBRATION – ORGANIC ANALYSES, GC/MS

To quantify compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a minimum of a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range.

Calibration data were reviewed for all samples. Linearity of the calibration curve and instrument sensitivity were evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05.

ii) Percent relative standard deviation (%RSD) values must not exceed 30 percent or if linear regression is used, the correlation coefficient (R^2) value must be at least 0.990.

Initial calibration standards were analyzed as required and the data showed acceptable sensitivity and linearity.

CONTINUING CALIBRATION - ORGANICS, GC/MS

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05.

ii) Percent difference (%D) values must not exceed 25 percent.

Calibration standards were analyzed at the required frequency and the results met the above criteria for instrument sensitivity and linearity of response with the exception of some VOCs. Associated sample results have been qualified as estimated (see Table 4).

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

All method blank results were non-detect for the compounds of interest.

SURROGATE COMPOUNDS – ORGANIC ANALYSES

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

The surrogate recovery acceptance criteria were met for all samples indicating acceptable analytical efficiency.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory.

MS/MSD analyses were performed at the proper frequency and all recoveries were acceptable.

LABORATORY CONTROL SAMPLE (LCS)

The LCS analysis serves as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

All LCS percent recoveries were within the laboratory control limits.

INTERNAL STANDARD (IS) SUMMARIES – ORGANIC ANALYSES

To correct for variability in the GC/MS response and sensitivity, IS compounds are added to all samples. All results are calculated as a ratio of the compound and associated IS response. Overall instrument stability and performance for VOC analyses were monitored using IS peak area and retention time (RT) data. The IS peak areas and RTs of the samples are required to meet the following criteria:

i) IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated continuing calibration standard IS area counts.

ii) The RT of the IS must not vary by more than plus or minus 30 seconds from the associated continuing calibration standard.

A review of the IS data showed that the IS area counts and retention time data were within the acceptance criteria.

TARGET COMPOUND IDENTIFICATION

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to identification criteria established by the methods. The organic compounds reported adhered to the specified identification criteria.

TARGET COMPOUND QUANTITATION

The reported quantitation results and detection limits were checked to ensure results reported were accurate. No discrepancies were found between the raw data and the sample results reported by the laboratory.

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Trip Blanks
Trip blanks are transported, stored, and analyzed with the investigative samples to identify potential cross-contamination of VOCs. Trip blanks were collected at the proper frequency, and all results were non-detect indicating that no compounds of interest were introduced to the samples during sample collection and/or analysis.

Field Blanks
Field blanks were not collected during this sampling event.

Field Duplicates
To assess overall analytical sampling and precision, field duplicates were collected and submitted "blind" to the laboratory for analysis as shown in Table 1.

A comparison of the results showed good analytical and sampling precision with the exception of some VOC results which showed some variability. Associated sample results have been qualified as estimated (see Table 5).

SYSTEM PERFORMANCE

System performance between various QC checks was evaluated to monitor for changes that may have caused the degradation of data quality. No technical problems or chromatographic anomalies were observed which would require qualification of the data.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision based on the provided information and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

				Analysis/Parameters	
Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs*	*Comments*
MW-0419-S3(110110)	MW-0919-S3	11/01/10	11:45	X	
MW-0420-S3(110110)	MW-0420-S3	11/01/10	12:05	X	
MW-0421-S3(110110)	MW-0421-S3	11/01/10	12:35	X	
MW-0419-S2B(110110)	MW-0419-S2B	11/01/10	11:40	X	MS/MSD
MW-0819-S2B(110110)	MW-0819-S2B	11/01/10	12:15	X	
MW-0421-S2(110110)	MW-0421-S2	11/01/10	12:40	X	
MW-0102-S2(110110)	MW-0102-S2	11/01/10	12:50	X	
MW-0818-S3(110110)	MW-0818-S3	11/01/10	12:55	X	
MW-0817-S3(110110)	MW-0817-S3	11/01/10	13:15	X	
MW-0817-S2B(110110)	MW-0817-S2B	11/01/10	13:20	X	
MW-S3-0601(110110)	MW-S3-0601	11/01/10	13:30	X	
MW-S2B-0501(110110)	MW-S2B-0501	11/01/10	14:10	X	
MW-S3-0501(110110)	MW-S3-0501	11/01/10	14:20	X	
MW-0406-S2B(110110)	MW-0406-S2B	11/01/10	14:30	X	
MW-0904-S2B(110110)	MW-0904-S2B	11/01/10	14:35	X	
MW-0409-S2B(110110)	MW-0409-S2B	11/01/10	14:40	X	
FD-1(110110)-SM	MW-0409-S2B	11/01/10	14:41	X	Field duplicate of sample MW-0409-S2B(110110)
MW-0202-S2B(110110)	MW-0202-S2B	11/01/10	15:00	X	
MW-0403-S2B(110110)	MW-0403-S2B	11/01/10	15:30	X	
FD-2(110110)-SM	MW-0403-S2B	11/01/10	15:31	X	Field duplicate of sample MW-0403-S2B(110110)
MW-0417-S3(110110)	MW-0417-S3	11/01/10	15:45	X	
MW-0904-S3(110110)	MW-0904-S3	11/01/10	16:00	X	MS/MSD
MW-0416-S2A(110110)	MW-0416-S2A	11/01/10	16:10	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

				Analysis/Parameters	
Sample ID	***Location ID***	***Collection Date (mm/dd/yy)***	***Collection Time (hr:min)***	***VOCs***	***Comments***
MW-0426-S2B(110110)	MW-0426-S2B	11/01/10	15:50	X	
MW-0903-S3(110110)	MW-0903-S3	11/01/10	16:15	X	
MW-0202-S3(110110)	MW-0202-S3	11/01/10	15:15	X	
TB-1-(110110)-SM	Trip Blank	11/01/10	12:00	X	Trip Blank

Notes:

MS/MSD Matrix Spike/Matrix Spike Duplicate
VOCs Volatile Organic Compounds

TABLE 2

SUMMARY OF ANALYTICAL METHODS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Method* [1]
TCL VOCs	SW-846 8260

Notes:

[1] "Test Methods for Solid Waste/Physical Chemical Methods", SW-846, 3rd Edition, September 1986 (with all subsequent revisions).

TCL Target Compound List

VOCs Volatile Organic Compounds

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0102-S2*	*MW-0202-S2B*	*MW-0202-S3*	*MW-0403-S2B*	*MW-0403-S2B*
	Sample ID:	*MW-0102-S2(110110)*	*MW-0202-S2B(110110)*	*MW-0202-S3(110110)*	*FD-2(110110)-SM*	*MW-0403-S2B(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010 (Duplicate)*	*11/1/2010*
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	4.0 J	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	7.3
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25 U	25 U	25 U	25 U	25 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Bromomethane (Methyl bromide)	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroform (Trichloromethane)	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl chloride)	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0102-S2*	*MW-0202-S2B*	*MW-0202-S3*	*MW-0403-S2B*	*MW-0403-S2B*
	Sample ID:	*MW-0102-S2(110110)*	*MW-0202-S2B(110110)*	*MW-0202-S3(110110)*	*FD-2(110110)-SM*	*MW-0403-S2B(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010 (Duplicate)*	*11/1/2010*
Parameters	*Units*					
Volatile Organic Compounds (Cont'd.)						
cis-1,2-Dichloroethene	µg/L	5 U	3.7 J	5 U	5 UJ	210 J
cis-1,3-Dichloropropene	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane (CFC-12)	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Isopropyl benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl acetate	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl cyclohexane	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl tert butyl ether (MTBE)	µg/L	4 U	4 U	4 U	4 U	4 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	54.5 J	57500 J
Toluene	µg/L	5 U	5 U	5 U	5 U	7.4
trans-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	µg/L	5 U	5 U	5 U	2.9 J	3240 J
Trichlorofluoromethane (CFC-11)	µg/L	5 U	5 U	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	µg/L	2.7	2 U	2 U	2 U	4.2
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0406-S2B*	*MW-0409-S2B*	*MW-0409-S2B*	*MW-0416-S2A*	*MW-0417-S3*
	Sample ID:	*MW-0406-S2B(110110)*	*FD-1(110110)-SM*	*MW-0409-S2B(110110)*	*MW-0416-S2A(110110)*	*MW-0417-S3(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
			(Duplicate)			
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	2.7 J	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25 U	25 U	25 U	25 U	25 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Bromomethane (Methyl bromide)	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroform (Trichloromethane)	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl chloride)	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0406-S2B*	*MW-0409-S2B*	*MW-0409-S2B*	*MW-0416-S2A*	*MW-0417-S3*
	Sample ID:	*MW-0406-S2B(110110)*	*FD-1(110110)-SM*	*MW-0409-S2B(110110)*	*MW-0416-S2A(110110)*	*MW-0417-S3(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
			(Duplicate)			
Parameters	*Units*					
Volatile Organic Compounds (Cont'd.)						
cis-1,2-Dichloroethene	µg/L	3.5 J	68.0	67.4	5 U	156
cis-1,3-Dichloropropene	µg/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane (CFC-12)	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Isopropyl benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl acetate	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl cyclohexane	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl tert butyl ether (MTBE)	µg/L	4 U	4 U	4 U	4 U	4 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	µg/L	2.6 J	5 U	5 U	5 U	792
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	µg/L	5 U	2.0 J	1.8 J	5 U	738
Trichlorofluoromethane (CFC-11)	µg/L	5 U	5 U	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	µg/L	2 U	1.6 J	1.6 J	5.8	3.1
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0419-S2B*	*MW-0420-S3*	*MW-0421-S2*	*MW-0421-S3*	*MW-0426-S2B*
	Sample ID:	*MW-0419-S2B(110110)*	*MW-0420-S3(110110)*	*MW-0421-S2(110110)*	*MW-0421-S3(110110)*	*MW-0426-S2B(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 UJ
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25 U	25 U	25 U	25 U	25 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 UJ
Bromomethane (Methyl bromide)	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 UJ
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroform (Trichloromethane)	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl chloride)	µg/L	5 U	5 U	5 U	5 U	5 UJ

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0419-S2B*	*MW-0420-S3*	*MW-0421-S2*	*MW-0421-S3*	*MW-0426-S2B*
	Sample ID:	*MW-0419-S2B(110110)*	*MW-0420-S3(110110)*	*MW-0421-S2(110110)*	*MW-0421-S3(110110)*	*MW-0426-S2B(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
Parameters	***Units***					
Volatile Organic Compounds (Cont'd.)						
cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 UJ
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane (CFC-12)	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Isopropyl benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl acetate	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl cyclohexane	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl tert butyl ether (MTBE)	µg/L	4 U	4 U	4 U	4 U	4 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane (CFC-11)	µg/L	5 U	5 U	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	µg/L	2 U	2 U	2 U	2 U	2 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0817-S2B*	*MW-0817-S3*	*MW-0818-S3*	*MW-0819-S2B*	*MW-0903-S3*
	Sample ID:	*MW-0817-S2B(110110)*	*MW-0817-S3(110110)*	*MW-0818-S3(110110)*	*MW-0819-S2B(110110)*	*MW-0903-S3(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 UJ
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25 U	25 U	25 U	25 U	25 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 UJ
Bromomethane (Methyl bromide)	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 UJ
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroform (Trichloromethane)	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl chloride)	µg/L	5 U	5 U	5 U	5 U	5 UJ

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0817-S2B*	*MW-0817-S3*	*MW-0818-S3*	*MW-0819-S2B*	*MW-0903-S3*
	Sample ID:	*MW-0817-S2B(110110)*	*MW-0817-S3(110110)*	*MW-0818-S3(110110)*	*MW-0819-S2B(110110)*	*MW-0903-S3(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
Parameters	***Units***					
Volatile Organic Compounds (Cont'd.)						
cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 UJ
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane (CFC-12)	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Isopropyl benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl acetate	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl cyclohexane	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl tert butyl ether (MTBE)	µg/L	4 U	4 U	4 U	4 U	4 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	µg/L	5 U	5 U	5 U	1.0 J	5 U
Trichlorofluoromethane (CFC-11)	µg/L	5 U	5 U	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	µg/L	2 U	2 U	2 U	2 U	2 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0904-S2B*	*MW-0904-S3*	*MW-0919-S3*	*MW-S2B-0501*	*MW-S3-0501*
	Sample ID:	*MW-0904-S2B(110110)*	*MW-0904-S3(110110)*	*MW-0419-S3(110110)*	*MW-S2B-0501(110110)*	*MW-S3-0501(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5 UJ	5 UJ	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5.8
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25 U	25 U	25 U	25 U	25 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 UJ	5 UJ	5 U	5 U	5 U
Bromomethane (Methyl bromide)	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	5 UJ	5 UJ	5 U	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroform (Trichloromethane)	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl chloride)	µg/L	5 UJ	5 UJ	5 U	5 U	5 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-0904-S2B*	*MW-0904-S3*	*MW-0919-S3*	*MW-S2B-0501*	*MW-S3-0501*
	Sample ID:	*MW-0904-S2B(110110)*	*MW-0904-S3(110110)*	*MW-0419-S3(110110)*	*MW-S2B-0501(110110)*	*MW-S3-0501(110110)*
	Sample Date:	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*	*11/1/2010*
Parameters	***Units***					
Volatile Organic Compounds (Cont'd.)						
cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	59.3
cis-1,3-Dichloropropene	µg/L	5 UJ	5 UJ	5 U	5 U	5 U
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane (CFC-12)	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Isopropyl benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl acetate	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl cyclohexane	µg/L	50 U	50 U	50 U	50 U	50 U
Methyl tert butyl ether (MTBE)	µg/L	4 U	4 U	4 U	4 U	4 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	2030
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	µg/L	5 U	5 U	5 U	5 U	159
Trichlorofluoromethane (CFC-11)	µg/L	5 U	5 U	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	µg/L	2 U	2 U	2 U	2 U	2.8
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-S3-0601*	*Trip Blank*
	Sample ID:	*MW-S3-0601(110110)*	*TB-1(110110)-SM*
	Sample Date:	*11/1/2010*	*11/1/2010*
			(other)
Parameters	*Units*		
Volatile Organic Compounds			
1,1,1-Trichloroethane	µg/L	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U
2-Hexanone	µg/L	25 U	25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25 U	25 U
Acetone	µg/L	100 U	100 U
Benzene	µg/L	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U
Bromoform	µg/L	5 U	5 U
Bromomethane (Methyl bromide)	µg/L	5 U	5 U
Carbon disulfide	µg/L	10 U	10 U
Carbon tetrachloride	µg/L	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U
Chloroethane	µg/L	5 U	5 U
Chloroform (Trichloromethane)	µg/L	5 U	5 U
Chloromethane (Methyl chloride)	µg/L	5 U	5 U

TABLE 3

ANALYTICAL RESULTS SUMMARY
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

	Sample Location:	*MW-S3-0601*	*Trip Blank*
	Sample ID:	*MW-S3-0601(110110)*	*TB-1(110110)-SM*
	Sample Date:	*11/1/2010*	*11/1/2010*
			(other)
Parameters	*Units*		
Volatile Organic Compounds (Cont'd.)			
cis-1,2-Dichloroethene	µg/L	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U
Cyclohexane	µg/L	100 U	100 U
Dibromochloromethane	µg/L	5 U	5 U
Dichlorodifluoromethane (CFC-12)	µg/L	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U
Isopropyl benzene	µg/L	5 U	5 U
Methyl acetate	µg/L	50 U	50 U
Methyl cyclohexane	µg/L	50 U	50 U
Methyl tert butyl ether (MTBE)	µg/L	4 U	4 U
Methylene chloride	µg/L	5 U	5 U
Styrene	µg/L	5 U	5 U
Tetrachloroethene	µg/L	5 U	5 U
Toluene	µg/L	5 U	5 U
trans-1,2-Dichloroethene	µg/L	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 UJ	5 U
Trichloroethene	µg/L	4.2 J	5 U
Trichlorofluoromethane (CFC-11)	µg/L	5 U	5 U
Trifluorotrichloroethane (Freon 113)	µg/L	5 U	5 U
Vinyl chloride	µg/L	2 U	2 U
Xylenes (total)	µg/L	10 U	10 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	11/11/10	Carbon tetrachloride	35	MW-0102-S2(110110)	5 UJ	µg/L
				MW-0406-S2B(110110)	5 UJ	µg/L
				MW-0419-S2B(110110)	5 UJ	µg/L
				MW-0419-S3(110110)	5 UJ	µg/L
				MW-0420-S3(110110)	5 UJ	µg/L
				MW-0421-S2(110110)	5 UJ	µg/L
				MW-0421-S3(110110)	5 UJ	µg/L
				MW-0817-S2B(110110)	5 UJ	µg/L
				MW-0817-S3(110110)	5 UJ	µg/L
				MW-0818-S3(110110)	5 UJ	µg/L
				MW-0819-S2B(110110)	5 UJ	µg/L
				MW-S3-0501(110110)	5 UJ	µg/L
				MW-S3-0601(110110)	5 UJ	µg/L
				MW-S2B-0501(110110)	5 UJ	µg/L
VOCs	11/11/10	trans-1,3-Dichloropropene	31	MW-0102-S2(110110)	5 UJ	µg/L
				MW-0406-S2B(110110)	5 UJ	µg/L
				MW-0419-S2B(110110)	5 UJ	µg/L
				MW-0419-S3(110110)	5 UJ	µg/L
				MW-0420-S3(110110)	5 UJ	µg/L
				MW-0421-S2(110110)	5 UJ	µg/L
				MW-0421-S3(110110)	5 UJ	µg/L
				MW-0817-S2B(110110)	5 UJ	µg/L
				MW-0817-S3(110110)	5 UJ	µg/L
				MW-0818-S3(110110)	5 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	11/11/10	trans-1,3-Dichloropropene	31	MW-0819-S2B(110110)	5 UJ	µg/L
				MW-S3-0501(110110)	5 UJ	µg/L
				MW-S3-0601(110110)	5 UJ	µg/L
				MW-S2B-0501(110110)	5 UJ	µg/L
VOCs	11/12/10	Chloromethane	27	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L
				MW-0409-S2B(110110)	5 UJ	µg/L
				MW-0416-S2A(110110)	5 UJ	µg/L
				MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L
VOCs	11/12/10	1,1,1-Trichloroethane	34	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L
				MW-0409-S2B(110110)	5 UJ	µg/L
				MW-0416-S2A(110110)	5 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	11/12/10	1,1,1-Trichloroethane	34	MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L
VOCs	11/12/10	Carbon tetrachloride	44	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L
				MW-0409-S2B(110110)	5 UJ	µg/L
				MW-0416-S2A(110110)	5 UJ	µg/L
				MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L
VOCs	11/12/10	trans-1,3-Dichloropropene	45	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L
				MW-0409-S2B(110110)	5 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	11/12/10	trans-1,3-Dichloropropene	45	MW-0416-S2A(110110)	5 UJ	µg/L
				MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L
VOCs	11/12/10	cis-1,3-Dichloropropene	31	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L
				MW-0409-S2B(110110)	5 UJ	µg/L
				MW-0416-S2A(110110)	5 UJ	µg/L
				MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L
VOCs	11/12/10	Bromoform	27	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	11/12/10	Bromoform	27	MW-0409-S2B(110110)	5 UJ	µg/L
				MW-0416-S2A(110110)	5 UJ	µg/L
				MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L
VOCs	11/12/10	Chloromethane	27	FD-1(110110)-SM	5 UJ	µg/L
				FD-2(110110)-SM	5 UJ	µg/L
				MW-0202-S2B(110110)	5 UJ	µg/L
				MW-0202-S3(110110)	5 UJ	µg/L
				MW-0403-S2B(110110)	5 UJ	µg/L
				MW-0409-S2B(110110)	5 UJ	µg/L
				MW-0416-S2A(110110)	5 UJ	µg/L
				MW-0417-S3(110110)	5 UJ	µg/L
				MW-0426-S2B(110110)	5 UJ	µg/L
				MW-0903-S3(110110)	5 UJ	µg/L
				MW-0904-S2B(110110)	5 UJ	µg/L
				MW-0904-S3(110110)	5 UJ	µg/L

Notes:

%D % Difference
UJ Not detected, estimated reporting limit.
VOCs Volatile Organic Compounds

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
OPERATION AND MAINTENANCE
ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
NOVEMBER 2010

Parameter	*Analyte*	*Original Sample ID*	*Qualified Sample Result*	*Duplicate Sample ID*	*Qualified Sample Result*	*RPD*	*Units*
VOCs	cis-1,2-Dichloroethene	MW-0403-S2B (110110)	210 J	FD-2(110110)-SM	5 UJ	NA	µg/L
	Tetrachloroethene		57500 J		54 J	200	µg/L
	Trichloroethene		3240 J		2.9 J	200	µg/L

Notes:
1 The qualifier applies to both the original and duplicate results.
J Estimated.
NA Not Applicable
RPD Relataive Percent Difference
VOCs Volatile Organic Compounds

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November 18, 2010

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Suite 2
Niagara Falls, NY 14304

RE: Project: E027025/Allison
Pace Project No.: 5043009

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: E027025/Allison
Pace Project No.: 5043009

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043009001	MW-0419-S3(110110)	Water	11/01/10 11:45	11/01/10 17:20
5043009002	MW-0420-S3(110110)	Water	11/01/10 12:05	11/01/10 17:20
5043009003	MW-0421-S3(110110)	Water	11/01/10 12:35	11/01/10 17:20
5043009004	MW-0419-S2B(110110)	Water	11/01/10 11:40	11/01/10 17:20
5043009005	MW-0819-S2B(110110)	Water	11/01/10 12:15	11/01/10 17:20
5043009006	MW-0421-S2(110110)	Water	11/01/10 12:40	11/01/10 17:20
5043009007	MW-0102-S2(110110)	Water	11/01/10 12:50	11/01/10 17:20
5043009008	MW-0818-S3(110110)	Water	11/01/10 12:55	11/01/10 17:20
5043009009	MW-0817-S3(110110)	Water	11/01/10 13:15	11/01/10 17:20
5043009010	MW-0817-S2B(110110)	Water	11/01/10 13:20	11/01/10 17:20
5043009011	MW-S3-0601(110110)	Water	11/01/10 13:30	11/01/10 17:20
5043009012	MW-S2B-0501(110110)	Water	11/01/10 14:10	11/01/10 17:20
5043009013	MW-S3-0501(110110)	Water	11/01/10 14:20	11/01/10 17:20
5043009014	MW-0406-S2B(110110)	Water	11/01/10 14:30	11/01/10 17:20
5043009015	MW-0904-S2B(110110)	Water	11/01/10 14:35	11/01/10 17:20
5043009016	MW-0409-S2B(110110)	Water	11/01/10 14:40	11/01/10 17:20
5043009017	FD-1(110110)-SM	Water	11/01/10 14:41	11/01/10 17:20
5043009018	MW-0202-S2B(110110)	Water	11/01/10 15:00	11/01/10 17:20
5043009019	MW-0403-S2B(110110)	Water	11/01/10 15:30	11/01/10 17:20
5043009020	FD-2(110110)-SM	Water	11/01/10 15:31	11/01/10 17:20
5043009021	MW-0417-S3(110110)	Water	11/01/10 15:45	11/01/10 17:20
5043009022	MW-0904-S3(110110)	Water	11/01/10 16:00	11/01/10 17:20
5043009023	MW-0416-S2A(110110)	Water	11/01/10 16:15	11/01/10 17:20
5043009024	MW-0426-S2B(110110)	Water	11/01/10 15:50	11/01/10 17:20
5043009025	MW-0903-S3(110110)	Water	11/01/10 16:10	11/01/10 17:20
5043009026	MW-0202-S3(110110)	Water	11/01/10 15:15	11/01/10 17:20
5043009027	TB-1(110110)-SM	Water	11/01/10 12:00	11/01/10 17:20

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SAMPLE ANALYTE COUNT

Project: E027025/Allison
Pace Project No.: 5043009

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043009001	MW-0419-S3(110110)	EPA 8260	JLF	51
5043009002	MW-0420-S3(110110)	EPA 8260	JLF	51
5043009003	MW-0421-S3(110110)	EPA 8260	JLF	51
5043009004	MW-0419-S2B(110110)	EPA 8260	JLF	51
5043009005	MW-0819-S2B(110110)	EPA 8260	JLF	51
5043009006	MW-0421-S2(110110)	EPA 8260	JLF	51
5043009007	MW-0102-S2(110110)	EPA 8260	JLF	51
5043009008	MW-0818-S3(110110)	EPA 8260	JLF	51
5043009009	MW-0817-S3(110110)	EPA 8260	JLF	51
5043009010	MW-0817-S2B(110110)	EPA 8260	JLF	51
5043009011	MW-S3-0601(110110)	EPA 8260	JLF	51
5043009012	MW-S2B-0501(110110)	EPA 8260	JLF	51
5043009013	MW-S3-0501(110110)	EPA 8260	JLF	51
5043009014	MW-0406-S2B(110110)	EPA 8260	JLF	51
5043009015	MW-0904-S2B(110110)	EPA 8260	JLF	51
5043009016	MW-0409-S2B(110110)	EPA 8260	JLF	51
5043009017	FD-1(110110)-SM	EPA 8260	JLF	51
5043009018	MW-0202-S2B(110110)	EPA 8260	JLF	51
5043009019	MW-0403-S2B(110110)	EPA 8260	JLF	51
5043009020	FD-2(110110)-SM	EPA 8260	JLF	51
5043009021	MW-0417-S3(110110)	EPA 8260	JLF	51
5043009022	MW-0904-S3(110110)	EPA 8260	JLF	51
5043009023	MW-0416-S2A(110110)	EPA 8260	JLF	51
5043009024	MW-0426-S2B(110110)	EPA 8260	JLF	51
5043009025	MW-0903-S3(110110)	EPA 8260	JLF	51
5043009026	MW-0202-S3(110110)	EPA 8260	JLF	51
5043009027	TB-1(110110)-SM	EPA 8260	JLF	51

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0419-S3(110110) Lab ID: 5043009001 Collected: 11/01/10 11:45 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 15:32	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 15:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 15:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 15:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 15:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 15:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 15:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 15:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 15:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 15:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 15:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 15:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 15:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 15:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 15:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 15:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 15:32	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 15:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 15:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 15:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 15:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 15:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 15:32	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 15:32	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 15:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 15:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 15:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 15:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 15:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 15:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 15:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 15:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 15:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 15:32	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 15:32	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0419-S3(110110) Lab ID: 5043009001 Collected: 11/01/10 11:45 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 15:32	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/11/10 15:32	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		11/11/10 15:32	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		11/11/10 15:32	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0420-S3(110110) Lab ID: 5043009002 Collected: 11/01/10 12:05 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 16:09	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 16:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 16:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 16:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 16:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 16:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 16:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 16:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 16:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 16:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 16:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 16:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 16:09	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 16:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 16:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 16:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 16:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 16:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 16:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 16:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 16:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 16:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 16:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 16:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 16:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 16:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 16:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 16:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 16:09	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 16:09	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 16:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 16:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 16:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 16:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 16:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 16:09	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 16:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 16:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 16:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 16:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 16:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 16:09	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 16:09	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0420-S3(110110) Lab ID: 5043009002 Collected: 11/01/10 12:05 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 16:09	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/11/10 16:09	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		11/11/10 16:09	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/11/10 16:09	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0421-S3(110110) Lab ID: 5043009003 Collected: 11/01/10 12:35 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 16:47	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 16:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 16:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 16:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 16:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 16:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 16:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 16:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 16:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 16:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 16:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 16:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 16:47	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 16:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 16:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 16:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 16:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 16:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 16:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 16:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 16:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 16:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 16:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 16:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 16:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 16:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 16:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 16:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 16:47	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 16:47	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 16:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 16:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 16:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 16:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 16:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 16:47	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 16:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 16:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 16:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 16:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 16:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 16:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 16:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 16:47	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0421-S3(110110) Lab ID: 5043009003 Collected: 11/01/10 12:35 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 16:47	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/11/10 16:47	1868-53-7	
4-Bromofluorobenzene (S)	109	%	70-126	1		11/11/10 16:47	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/11/10 16:47	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0419-S2B(110110) Lab ID: 5043009004 Collected: 11/01/10 11:40 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 17:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 17:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 17:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 17:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 17:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 17:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 17:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 17:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 17:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 17:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 17:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 17:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 17:24	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 17:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 17:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 17:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 17:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 17:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 17:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 17:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 17:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 17:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 17:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 17:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 17:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 17:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 17:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 17:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 17:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 17:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 17:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 17:24	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 17:24	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 17:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 17:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 17:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 17:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 17:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 17:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 17:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 17:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 17:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 17:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 17:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 17:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 17:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 17:24	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0419-S2B(110110) Lab ID: 5043009004 Collected: 11/01/10 11:40 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 17:24	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/11/10 17:24	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		11/11/10 17:24	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		11/11/10 17:24	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0819-S2B(110110) Lab ID: 5043009005 Collected: 11/01/10 12:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 18:02	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 18:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 18:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 18:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 18:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 18:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 18:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 18:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 18:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 18:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 18:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 18:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 18:02	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 18:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 18:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 18:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 18:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 18:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 18:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 18:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 18:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 18:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 18:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 18:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 18:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 18:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 18:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 18:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 18:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 18:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 18:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 18:02	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 18:02	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 18:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 18:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 18:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 18:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 18:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 18:02	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 18:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 18:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 18:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 18:02	79-00-5	
Trichloroethene	1.0J	ug/L	5.0	1		11/11/10 18:02	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 18:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 18:02	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 18:02	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0819-S2B(110110) Lab ID: 5043009005 Collected: 11/01/10 12:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 18:02	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/11/10 18:02	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		11/11/10 18:02	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/11/10 18:02	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0421-S2(110110) Lab ID: 5043009006 Collected: 11/01/10 12:40 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 19:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 19:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 19:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 19:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 19:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 19:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 19:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 19:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 19:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 19:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 19:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 19:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 19:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 19:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 19:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 19:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 19:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 19:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 19:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 19:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 19:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 19:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 19:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 19:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 19:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 19:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 19:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 19:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 19:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 19:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 19:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 19:54	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 19:54	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 19:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 19:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 19:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 19:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 19:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 19:54	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 19:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 19:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 19:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 19:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 19:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 19:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 19:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 19:54	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0421-S2(110110) Lab ID: 5043009006 Collected: 11/01/10 12:40 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 19:54	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/11/10 19:54	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		11/11/10 19:54	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		11/11/10 19:54	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0102-S2(110110) Lab ID: 5043009007 Collected: 11/01/10 12:50 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 20:32	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 20:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 20:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 20:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 20:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 20:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 20:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 20:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 20:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 20:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 20:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 20:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 20:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 20:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 20:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 20:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 20:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 20:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 20:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 20:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 20:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 20:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 20:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 20:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 20:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 20:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 20:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 20:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 20:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 20:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 20:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 20:32	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 20:32	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 20:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 20:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 20:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 20:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 20:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 20:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 20:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 20:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 20:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 20:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 20:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 20:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 20:32	76-13-1	
Vinyl chloride	2.7	ug/L	2.0	1		11/11/10 20:32	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0102-S2(110110) Lab ID: 5043009007 Collected: 11/01/10 12:50 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 20:32	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/11/10 20:32	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/11/10 20:32	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/11/10 20:32	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0818-S3(110110) Lab ID: 5043009008 Collected: 11/01/10 12:55 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 21:09	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 21:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 21:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 21:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 21:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 21:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 21:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 21:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 21:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 21:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 21:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 21:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 21:09	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 21:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 21:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 21:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 21:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 21:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 21:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 21:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 21:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 21:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 21:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 21:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 21:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 21:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 21:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 21:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 21:09	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 21:09	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 21:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 21:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 21:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 21:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 21:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 21:09	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 21:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 21:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 21:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 21:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 21:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 21:09	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 21:09	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0818-S3(110110) Lab ID: 5043009008 Collected: 11/01/10 12:55 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 21:09	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		11/11/10 21:09	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/11/10 21:09	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/11/10 21:09	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0817-S3(110110) Lab ID: 5043009009 Collected: 11/01/10 13:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 21:46	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 21:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 21:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 21:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 21:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 21:46	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 21:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 21:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 21:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 21:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 21:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 21:46	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 21:46	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 21:46	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 21:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 21:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 21:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 21:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 21:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 21:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 21:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 21:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 21:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 21:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 21:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 21:46	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 21:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 21:46	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 21:46	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 21:46	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 21:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 21:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 21:46	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 21:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 21:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 21:46	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 21:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 21:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 21:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 21:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 21:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 21:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 21:46	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 21:46	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0817-S3(110110) Lab ID: 5043009009 Collected: 11/01/10 13:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 21:46	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		11/11/10 21:46	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/11/10 21:46	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/11/10 21:46	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0817-S2B(110110) Lab ID: 5043009010 Collected: 11/01/10 13:20 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 22:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 22:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 22:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 22:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 22:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 22:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 22:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 22:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 22:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 22:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 22:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 22:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 22:24	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 22:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 22:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 22:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 22:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 22:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 22:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 22:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 22:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 22:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 22:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 22:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 22:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 22:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 22:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 22:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 22:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 22:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 22:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 22:24	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 22:24	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 22:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 22:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 22:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 22:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 22:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 22:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 22:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 22:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 22:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 22:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 22:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 22:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 22:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 22:24	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0817-S2B(110110) Lab ID: 5043009010 Collected: 11/01/10 13:20 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 22:24	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/11/10 22:24	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/11/10 22:24	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		11/11/10 22:24	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-S3-0601(110110) Lab ID: 5043009011 Collected: 11/01/10 13:30 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 23:01	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 23:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 23:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 23:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 23:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 23:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 23:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 23:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 23:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 23:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 23:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 23:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 23:01	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 23:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 23:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 23:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 23:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 23:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 23:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/10 23:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 23:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 23:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 23:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 23:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 23:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 23:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 23:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 23:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 23:01	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 23:01	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 23:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 23:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 23:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 23:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 23:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/10 23:01	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 23:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 23:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 23:01	79-00-5	
Trichloroethene	4.2J	ug/L	5.0	1		11/11/10 23:01	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 23:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 23:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 23:01	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-S3-0601(110110) Lab ID: 5043009011 Collected: 11/01/10 13:30 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 23:01	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		11/11/10 23:01	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/11/10 23:01	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/11/10 23:01	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-S2B-0501(110110) Lab ID: 5043009012 Collected: 11/01/10 14:10 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 00:16	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 00:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 00:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 00:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 00:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 00:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 00:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 00:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 00:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 00:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 00:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 00:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 00:16	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 00:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 00:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 00:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 00:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 00:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 00:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 00:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 00:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 00:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 00:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 00:16	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 00:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 00:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 00:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 00:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 00:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 00:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 00:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 00:16	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 00:16	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 00:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 00:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 00:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 00:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 00:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 00:16	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 00:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 00:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 00:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 00:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 00:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 00:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 00:16	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 00:16	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-S2B-0501(110110) Lab ID: 5043009012 Collected: 11/01/10 14:10 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 00:16	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		11/12/10 00:16	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 00:16	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		11/12/10 00:16	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-S3-0501(110110) Lab ID: 5043009013 Collected: 11/01/10 14:20 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 14:55	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 14:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 14:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 14:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 14:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 14:55	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 14:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 14:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 14:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 14:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 14:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 14:55	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 14:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 14:55	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 14:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 14:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 14:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 14:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 14:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 14:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 14:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 14:55	107-06-2	
1,1-Dichloroethene	5.8	ug/L	5.0	1		11/11/10 14:55	75-35-4	
cis-1,2-Dichloroethene	59.3	ug/L	5.0	1		11/11/10 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 14:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 14:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 14:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 14:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 14:55	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 14:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 14:55	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 14:55	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 14:55	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 14:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 14:55	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 14:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 14:55	79-34-5	
Tetrachloroethene	2030	ug/L	250	50		11/12/10 16:55	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/10 14:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 14:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 14:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 14:55	79-00-5	
Trichloroethene	159	ug/L	5.0	1		11/11/10 14:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 14:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 14:55	76-13-1	
Vinyl chloride	2.8	ug/L	2.0	1		11/11/10 14:55	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-S3-0501(110110) Lab ID: 5043009013 Collected: 11/01/10 14:20 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 14:55	1330-20-7	
Dibromofluoromethane (S)	95	%	80-123	1		11/11/10 14:55	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/11/10 14:55	460-00-4	
Toluene-d8 (S)	107	%	80-116	1		11/11/10 14:55	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0406-S2B(110110) Lab ID: 5043009014 Collected: 11/01/10 14:30 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/11/10 23:39	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/10 23:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/10 23:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/10 23:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/10 23:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/10 23:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/10 23:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/10 23:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/10 23:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/10 23:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/10 23:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/10 23:39	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/10 23:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/10 23:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/10 23:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/10 23:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/10 23:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/10 23:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/10 23:39	107-06-2	
1,1-Dichloroethene	2.7J	ug/L	5.0	1		11/11/10 23:39	75-35-4	J
cis-1,2-Dichloroethene	3.5J	ug/L	5.0	1		11/11/10 23:39	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/10 23:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/10 23:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 23:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/10 23:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/10 23:39	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/10 23:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/10 23:39	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/10 23:39	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/11/10 23:39	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/11/10 23:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/10 23:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/10 23:39	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/10 23:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/10 23:39	79-34-5	
Tetrachloroethene	2.6J	ug/L	5.0	1		11/11/10 23:39	127-18-4	J
Toluene	ND	ug/L	5.0	1		11/11/10 23:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/10 23:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/10 23:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/10 23:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/10 23:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/10 23:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/10 23:39	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/10 23:39	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0406-S2B(110110) Lab ID: 5043009014 Collected: 11/01/10 14:30 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/11/10 23:39	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/11/10 23:39	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		11/11/10 23:39	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/11/10 23:39	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0904-S2B(110110) Lab ID: 5043009015 Collected: 11/01/10 14:35 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 03:23	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 03:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 03:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 03:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 03:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 03:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 03:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 03:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 03:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 03:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 03:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 03:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 03:23	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 03:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 03:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 03:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 03:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 03:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 03:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 03:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 03:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 03:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 03:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 03:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 03:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 03:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 03:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 03:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 03:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 03:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 03:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 03:23	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 03:23	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 03:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 03:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 03:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 03:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 03:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 03:23	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 03:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 03:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 03:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 03:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 03:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 03:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 03:23	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 03:23	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0904-S2B(110110) Lab ID: 5043009015 Collected: 11/01/10 14:35 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 03:23	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/12/10 03:23	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 03:23	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		11/12/10 03:23	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0409-S2B(110110) Lab ID: 5043009016 Collected: 11/01/10 14:40 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 04:01	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 04:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 04:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 04:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 04:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 04:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 04:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 04:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 04:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 04:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 04:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 04:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 04:01	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 04:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 04:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 04:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 04:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 04:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 04:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 04:01	75-35-4	
cis-1,2-Dichloroethene	67.4	ug/L	5.0	1		11/12/10 04:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 04:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 04:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 04:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 04:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 04:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 04:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 04:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 04:01	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 04:01	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 04:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 04:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 04:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 04:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 04:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 04:01	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 04:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 04:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 04:01	79-00-5	
Trichloroethene	1.8J	ug/L	5.0	1		11/12/10 04:01	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 04:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 04:01	76-13-1	
Vinyl chloride	1.6J	ug/L	2.0	1		11/12/10 04:01	75-01-4	J

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0409-S2B(110110) Lab ID: 5043009016 Collected: 11/01/10 14:40 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 04:01	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/12/10 04:01	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 04:01	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/12/10 04:01	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: FD-1(110110)-SM Lab ID: 5043009017 Collected: 11/01/10 14:41 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 04:38	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 04:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 04:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 04:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 04:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 04:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 04:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 04:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 04:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 04:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 04:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 04:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 04:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 04:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 04:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 04:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 04:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 04:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 04:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 04:38	75-35-4	
cis-1,2-Dichloroethene	68.0	ug/L	5.0	1		11/12/10 04:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 04:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 04:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 04:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 04:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 04:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 04:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 04:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 04:38	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 04:38	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 04:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 04:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 04:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 04:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 04:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 04:38	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 04:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 04:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 04:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 04:38	79-00-5	
Trichloroethene	2.0J	ug/L	5.0	1		11/12/10 04:38	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 04:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 04:38	76-13-1	
Vinyl chloride	1.6J	ug/L	2.0	1		11/12/10 04:38	75-01-4	J

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: FD-1(110110)-SM Lab ID: 5043009017 Collected: 11/01/10 14:41 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 04:38	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/12/10 04:38	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 04:38	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/12/10 04:38	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0202-S2B(110110) Lab ID: 5043009018 Collected: 11/01/10 15:00 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 05:16	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 05:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 05:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 05:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 05:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 05:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 05:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 05:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 05:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 05:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 05:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 05:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 05:16	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 05:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 05:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 05:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 05:16	75-71-8	
1,1-Dichloroethane	4.0J	ug/L	5.0	1		11/12/10 05:16	75-34-3	J
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 05:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 05:16	75-35-4	
cis-1,2-Dichloroethene	3.7J	ug/L	5.0	1		11/12/10 05:16	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 05:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 05:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 05:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 05:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 05:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 05:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 05:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 05:16	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 05:16	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 05:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 05:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 05:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 05:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 05:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 05:16	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 05:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 05:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 05:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 05:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 05:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 05:16	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 05:16	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0202-S2B(110110) Lab ID: 5043009018 Collected: 11/01/10 15:00 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 05:16	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/12/10 05:16	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/12/10 05:16	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/12/10 05:16	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0403-S2B(110110) Lab ID: 5043009019 Collected: 11/01/10 15:30 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 12:08	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 12:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 12:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 12:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 12:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 12:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 12:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 12:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 12:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 12:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 12:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 12:08	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 12:08	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 12:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 12:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 12:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 12:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 12:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 12:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 12:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 12:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 12:08	107-06-2	
1,1-Dichloroethene	7.3	ug/L	5.0	1		11/12/10 12:08	75-35-4	
cis-1,2-Dichloroethene	210	ug/L	5.0	1		11/12/10 12:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 12:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 12:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 12:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 12:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 12:08	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 12:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 12:08	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 12:08	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 12:08	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 12:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 12:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 12:08	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 12:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 12:08	79-34-5	
Tetrachloroethene	57500	ug/L	1250	250		11/12/10 16:17	127-18-4	
Toluene	7.4	ug/L	5.0	1		11/12/10 12:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 12:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 12:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 12:08	79-00-5	
Trichloroethene	3240	ug/L	1250	250		11/12/10 16:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 12:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 12:08	76-13-1	
Vinyl chloride	4.2	ug/L	2.0	1		11/12/10 12:08	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0403-S2B(110110) Lab ID: 5043009019 Collected: 11/01/10 15:30 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 12:08	1330-20-7	
Dibromofluoromethane (S)	95	%	80-123	1		11/12/10 12:08	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		11/12/10 12:08	460-00-4	
Toluene-d8 (S)	104	%	80-116	1		11/12/10 12:08	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: FD-2(110110)-SM Lab ID: 5043009020 Collected: 11/01/10 15:31 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 05:53	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 05:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 05:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 05:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 05:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 05:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 05:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 05:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 05:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 05:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 05:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 05:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 05:53	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 05:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 05:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 05:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 05:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 05:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 05:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 05:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 05:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 05:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 05:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 05:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 05:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 05:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 05:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 05:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 05:53	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 05:53	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 05:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 05:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 05:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 05:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 05:53	79-34-5	
Tetrachloroethene	54.5	ug/L	5.0	1		11/12/10 05:53	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 05:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 05:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 05:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 05:53	79-00-5	
Trichloroethene	2.9J	ug/L	5.0	1		11/12/10 05:53	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 05:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 05:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 05:53	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: FD-2(110110)-SM Lab ID: 5043009020 Collected: 11/01/10 15:31 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 05:53	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/12/10 05:53	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 05:53	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/12/10 05:53	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0417-S3(110110) Lab ID: 5043009021 Collected: 11/01/10 15:45 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 06:31	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 06:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 06:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 06:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 06:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 06:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 06:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 06:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 06:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 06:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 06:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 06:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 06:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 06:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 06:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 06:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 06:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 06:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 06:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 06:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 06:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 06:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 06:31	75-35-4	
cis-1,2-Dichloroethene	156	ug/L	5.0	1		11/12/10 06:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 06:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 06:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 06:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 06:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 06:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 06:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 06:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 06:31	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 06:31	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 06:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 06:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 06:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 06:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 06:31	79-34-5	
Tetrachloroethene	792	ug/L	50.0	10		11/12/10 17:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 06:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 06:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 06:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 06:31	79-00-5	
Trichloroethene	738	ug/L	50.0	10		11/12/10 17:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 06:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 06:31	76-13-1	
Vinyl chloride	3.1	ug/L	2.0	1		11/12/10 06:31	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0417-S3(110110) Lab ID: 5043009021 Collected: 11/01/10 15:45 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 06:31	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/12/10 06:31	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/12/10 06:31	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		11/12/10 06:31	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0904-S3(110110) Lab ID: 5043009022 Collected: 11/01/10 16:00 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 07:08	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 07:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 07:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 07:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 07:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 07:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 07:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 07:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 07:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 07:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 07:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 07:08	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 07:08	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 07:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 07:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 07:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 07:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 07:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 07:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 07:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 07:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 07:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 07:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 07:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 07:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 07:08	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 07:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 07:08	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 07:08	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 07:08	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 07:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 07:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 07:08	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 07:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 07:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 07:08	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 07:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 07:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 07:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 07:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 07:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 07:08	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 07:08	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0904-S3(110110) Lab ID: 5043009022 Collected: 11/01/10 16:00 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 07:08	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		11/12/10 07:08	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 07:08	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/12/10 07:08	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0416-S2A(110110) Lab ID: 5043009023 Collected: 11/01/10 16:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 07:46	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 07:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 07:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 07:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 07:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 07:46	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 07:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 07:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 07:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 07:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 07:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 07:46	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 07:46	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 07:46	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 07:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 07:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 07:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 07:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 07:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 07:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 07:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 07:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 07:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 07:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 07:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 07:46	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 07:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 07:46	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 07:46	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 07:46	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 07:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 07:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 07:46	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 07:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 07:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 07:46	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 07:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 07:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 07:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 07:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 07:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 07:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 07:46	76-13-1	
Vinyl chloride	5.8	ug/L	2.0	1		11/12/10 07:46	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0416-S2A(110110) Lab ID: 5043009023 Collected: 11/01/10 16:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 07:46	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/12/10 07:46	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		11/12/10 07:46	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/12/10 07:46	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0426-S2B(110110) Lab ID: 5043009024 Collected: 11/01/10 15:50 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 09:38	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 09:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 09:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 09:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 09:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 09:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 09:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 09:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 09:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 09:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 09:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 09:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 09:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 09:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 09:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 09:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 09:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 09:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 09:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 09:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 09:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 09:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 09:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 09:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 09:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 09:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 09:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 09:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 09:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 09:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 09:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 09:38	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 09:38	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 09:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 09:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 09:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 09:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 09:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 09:38	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 09:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 09:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 09:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 09:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 09:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 09:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 09:38	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 09:38	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0426-S2B(110110) Lab ID: 5043009024 Collected: 11/01/10 15:50 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 09:38	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		11/12/10 09:38	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		11/12/10 09:38	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/12/10 09:38	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0903-S3(110110) Lab ID: 5043009025 Collected: 11/01/10 16:10 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 10:16	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 10:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 10:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 10:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 10:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 10:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 10:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 10:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 10:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 10:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 10:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 10:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 10:16	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 10:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 10:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 10:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 10:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 10:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 10:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 10:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 10:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 10:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 10:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 10:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 10:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 10:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 10:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 10:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 10:16	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 10:16	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 10:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 10:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 10:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 10:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 10:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 10:16	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 10:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 10:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 10:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 10:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 10:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 10:16	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 10:16	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0903-S3(110110) Lab ID: 5043009025 Collected: 11/01/10 16:10 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 10:16	1330-20-7	
Dibromofluoromethane (S)	96	%	80-123	1		11/12/10 10:16	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		11/12/10 10:16	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/12/10 10:16	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0202-S3(110110) Lab ID: 5043009026 Collected: 11/01/10 15:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 10:53	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 10:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 10:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 10:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 10:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 10:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 10:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 10:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 10:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 10:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 10:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 10:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 10:53	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 10:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 10:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 10:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 10:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 10:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 10:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 10:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 10:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 10:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 10:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 10:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 10:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 10:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 10:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 10:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 10:53	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 10:53	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 10:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 10:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 10:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 10:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 10:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 10:53	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 10:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 10:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 10:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 10:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 10:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 10:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 10:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 10:53	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: MW-0202-S3(110110) Lab ID: 5043009026 Collected: 11/01/10 15:15 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 10:53	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		11/12/10 10:53	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 10:53	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		11/12/10 10:53	2037-26-5	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: TB-1(110110)-SM Lab ID: 5043009027 Collected: 11/01/10 12:00 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/12/10 11:31	67-64-1	
Benzene	ND	ug/L	5.0	1		11/12/10 11:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/12/10 11:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/12/10 11:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/10 11:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/12/10 11:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/12/10 11:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/12/10 11:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/12/10 11:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/12/10 11:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/12/10 11:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/12/10 11:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/12/10 11:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/12/10 11:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/12/10 11:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/12/10 11:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 11:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 11:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/12/10 11:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/12/10 11:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/12/10 11:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/12/10 11:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/12/10 11:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 11:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/12/10 11:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/12/10 11:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 11:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/12/10 11:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/12/10 11:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/12/10 11:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/12/10 11:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/12/10 11:31	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/12/10 11:31	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/12/10 11:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/12/10 11:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/12/10 11:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/12/10 11:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/12/10 11:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/12/10 11:31	127-18-4	
Toluene	ND	ug/L	5.0	1		11/12/10 11:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/12/10 11:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/12/10 11:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/12/10 11:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/12/10 11:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/12/10 11:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/12/10 11:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/12/10 11:31	75-01-4	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Sample: TB-1(110110)-SM Lab ID: 5043009027 Collected: 11/01/10 12:00 Received: 11/01/10 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/12/10 11:31	1330-20-7	
Dibromofluoromethane (S)	94	%	80-123	1		11/12/10 11:31	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		11/12/10 11:31	460-00-4	
Toluene-d8 (S)	100	%	80-116	1		11/12/10 11:31	2037-26-5	

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QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

QC Batch: MSV/28205 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5043009001, 5043009002, 5043009003, 5043009004, 5043009005, 5043009006, 5043009007, 5043009008, 5043009009, 5043009010, 5043009011, 5043009012, 5043009013, 5043009014

METHOD BLANK: 507020 Matrix: Water
Associated Lab Samples: 5043009001, 5043009002, 5043009003, 5043009004, 5043009005, 5043009006, 5043009007, 5043009008, 5043009009, 5043009010, 5043009011, 5043009012, 5043009013, 5043009014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/11/10 14:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/11/10 14:17	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/11/10 14:17	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/11/10 14:17	
1,1-Dichloroethane	ug/L	ND	5.0	11/11/10 14:17	
1,1-Dichloroethene	ug/L	ND	5.0	11/11/10 14:17	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/11/10 14:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/11/10 14:17	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/11/10 14:17	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/11/10 14:17	
1,2-Dichloroethane	ug/L	ND	5.0	11/11/10 14:17	
1,2-Dichloropropane	ug/L	ND	5.0	11/11/10 14:17	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/11/10 14:17	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/11/10 14:17	
2-Butanone (MEK)	ug/L	ND	25.0	11/11/10 14:17	
2-Hexanone	ug/L	ND	25.0	11/11/10 14:17	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/11/10 14:17	
Acetone	ug/L	ND	100	11/11/10 14:17	
Benzene	ug/L	ND	5.0	11/11/10 14:17	
Bromodichloromethane	ug/L	ND	5.0	11/11/10 14:17	
Bromoform	ug/L	ND	5.0	11/11/10 14:17	
Bromomethane	ug/L	ND	5.0	11/11/10 14:17	
Carbon disulfide	ug/L	ND	10.0	11/11/10 14:17	
Carbon tetrachloride	ug/L	ND	5.0	11/11/10 14:17	
Chlorobenzene	ug/L	ND	5.0	11/11/10 14:17	
Chloroethane	ug/L	ND	5.0	11/11/10 14:17	
Chloroform	ug/L	ND	5.0	11/11/10 14:17	
Chloromethane	ug/L	ND	5.0	11/11/10 14:17	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/11/10 14:17	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/11/10 14:17	
Cyclohexane	ug/L	ND	100	11/11/10 14:17	
Dibromochloromethane	ug/L	ND	5.0	11/11/10 14:17	
Dichlorodifluoromethane	ug/L	ND	5.0	11/11/10 14:17	
Ethylbenzene	ug/L	ND	5.0	11/11/10 14:17	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/11/10 14:17	
Methyl acetate	ug/L	ND	50.0	11/11/10 14:17	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/11/10 14:17	
Methylcyclohexane	ug/L	ND	50.0	11/11/10 14:17	
Methylene chloride	ug/L	ND	5.0	11/11/10 14:17	
Styrene	ug/L	ND	5.0	11/11/10 14:17	
Tetrachloroethene	ug/L	ND	5.0	11/11/10 14:17	

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QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

METHOD BLANK: 507020 Matrix: Water

Associated Lab Samples: 5043009001, 5043009002, 5043009003, 5043009004, 5043009005, 5043009006, 5043009007, 5043009008, 5043009009, 5043009010, 5043009011, 5043009012, 5043009013, 5043009014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/11/10 14:17	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/11/10 14:17	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/11/10 14:17	
Trichloroethene	ug/L	ND	5.0	11/11/10 14:17	
Trichlorofluoromethane	ug/L	ND	5.0	11/11/10 14:17	
Vinyl chloride	ug/L	ND	2.0	11/11/10 14:17	
Xylene (Total)	ug/L	ND	10.0	11/11/10 14:17	
4-Bromofluorobenzene (S)	%	94	70-126	11/11/10 14:17	
Dibromofluoromethane (S)	%	97	80-123	11/11/10 14:17	
Toluene-d8 (S)	%	100	80-116	11/11/10 14:17	

LABORATORY CONTROL SAMPLE: 507021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	37.3	75	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	45.5	91	69-131	
1,1,2-Trichloroethane	ug/L	50	45.2	90	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	42.0	84	70-130	
1,1-Dichloroethane	ug/L	50	42.9	86	67-133	
1,1-Dichloroethene	ug/L	50	45.5	91	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.4	97	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.0	82	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	45.6	91	75-126	
1,2-Dichlorobenzene	ug/L	50	48.1	96	76-124	
1,2-Dichloroethane	ug/L	50	43.3	87	69-139	
1,2-Dichloropropane	ug/L	50	42.8	86	76-129	
1,3-Dichlorobenzene	ug/L	50	48.0	96	76-125	
1,4-Dichlorobenzene	ug/L	50	47.6	95	75-122	
2-Butanone (MEK)	ug/L	250	224	90	47-189	
2-Hexanone	ug/L	250	201	80	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	199	80	61-135	
Acetone	ug/L	250	299	119	30-170	
Benzene	ug/L	50	45.0	90	78-127	
Bromodichloromethane	ug/L	50	41.3	83	69-133	
Bromoform	ug/L	50	38.0	76	60-127	
Bromomethane	ug/L	50	96.9	194	30-170	L0
Carbon disulfide	ug/L	100	82.3	82	58-152	
Carbon tetrachloride	ug/L	50	33.5	67	62-143	
Chlorobenzene	ug/L	50	46.8	94	75-123	
Chloroethane	ug/L	50	58.0	116	56-153	
Chloroform	ug/L	50	40.6	81	74-131	
Chloromethane	ug/L	50	43.1	86	35-147	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	74-128	
cis-1,3-Dichloropropene	ug/L	50	38.7	77	58-123	

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QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

LABORATORY CONTROL SAMPLE: 507021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	ND	74	63-134	
Dibromochloromethane	ug/L	50	40.5	81	66-131	
Dichlorodifluoromethane	ug/L	50	60.1	120	30-170	
Ethylbenzene	ug/L	50	46.3	93	81-126	
Isopropylbenzene (Cumene)	ug/L	50	45.3	91	80-130	
Methyl acetate	ug/L	50	ND	55	30-170	
Methyl-tert-butyl ether	ug/L	100	79.2	79	66-147	
Methylcyclohexane	ug/L	50	ND	76	65-135	
Methylene chloride	ug/L	50	43.5	87	32-164	
Styrene	ug/L	50	45.8	92	74-128	
Tetrachloroethene	ug/L	50	41.0	82	60-119	
Toluene	ug/L	50	47.3	95	75-129	
trans-1,2-Dichloroethene	ug/L	50	45.8	92	71-126	
trans-1,3-Dichloropropene	ug/L	50	33.1	66	54-123	
Trichloroethene	ug/L	50	43.2	86	74-130	
Trichlorofluoromethane	ug/L	50	60.9	122	62-150	
Vinyl chloride	ug/L	50	52.8	106	55-141	
Xylene (Total)	ug/L	150	137	91	76-132	
4-Bromofluorobenzene (S)	%			92	70-126	
Dibromofluoromethane (S)	%			100	80-123	
Toluene-d8 (S)	%			101	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 507022 507023

Parameter	Units	5043009005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	35.9	38.6	72	77	64-143	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.2	50.5	98	101	64-142	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	46.5	49.4	93	99	71-143	6	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	51.2	51.5	102	103	70-130	.6	20	
1,1-Dichloroethane	ug/L	ND	50	50	47.4	48.0	95	96	68-139	1	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.8	52.6	104	105	55-140	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	41.3	40.1	83	80	28-140	3	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	42.9	46.5	86	93	39-140	8	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	48.4	50.0	97	100	67-134	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	44.4	43.5	89	87	48-137	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	46.5	47.4	93	95	63-148	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	45.3	46.0	91	92	70-136	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	41.7	40.5	83	81	40-143	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	41.0	39.8	82	80	38-142	3	20	
2-Butanone (MEK)	ug/L	ND	250	250	242	252	97	101	62-132	4	20	
2-Hexanone	ug/L	ND	250	250	205	215	82	86	61-141	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	225	236	90	94	57-135	5	20	
Acetone	ug/L	ND	250	250	249	265	100	106	30-170	6	20	
Benzene	ug/L	ND	50	50	48.0	48.4	96	97	63-141	.8	20	
Bromodichloromethane	ug/L	ND	50	50	42.4	44.3	85	89	63-135	5	20	
Bromoform	ug/L	ND	50	50	37.8	39.6	76	79	58-124	5	20	

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QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 507022 507023

Parameter	Units	5043009005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	ND	50	50	103	114	206	228	30-170	10	20	M0
Carbon disulfide	ug/L	ND	100	100	90.9	92.3	91	92	46-162	2	20	
Carbon tetrachloride	ug/L	ND	50	50	30.2	33.0	60	66	54-145	9	20	
Chlorobenzene	ug/L	ND	50	50	45.3	45.0	91	90	56-133	.7	20	
Chloroethane	ug/L	ND	50	50	64.7	65.9	129	132	54-157	2	20	
Chloroform	ug/L	ND	50	50	44.1	44.9	88	90	67-134	2	20	
Chloromethane	ug/L	ND	50	50	42.7	46.0	85	92	36-137	7	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.8	52.5	104	105	65-132	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	37.3	39.1	75	78	46-121	5	20	
Cyclohexane	ug/L	ND	50	50	ND	ND	86	87	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	41.1	43.5	82	87	64-124	6	20	
Dichlorodifluoromethane	ug/L	ND	50	50	50.9	52.3	102	105	30-163	3	20	
Ethylbenzene	ug/L	ND	50	50	43.3	41.7	87	83	44-151	4	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	40.8	39.7	82	79	40-148	3	20	
Methyl acetate	ug/L	ND	50	50	90.3	95.4	181	191	40-182	5	20	M0
Methyl-tert-butyl ether	ug/L	ND	100	100	81.7	86.6	82	87	52-156	6	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	83	83	44-158		20	
Methylene chloride	ug/L	ND	50	50	46.4	48.6	93	97	46-154	5	20	
Styrene	ug/L	ND	50	50	42.1	41.5	84	83	38-141	1	20	
Tetrachloroethene	ug/L	ND	50	50	40.3	38.9	81	78	25-146	4	20	
Toluene	ug/L	ND	50	50	48.0	47.5	96	95	59-142	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.9	50.0	100	100	60-137	.2	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	29.6	31.9	59	64	43-117	8	20	
Trichloroethene	ug/L	1.0J	50	50	45.5	45.1	89	88	61-137	.8	20	
Trichlorofluoromethane	ug/L	ND	50	50	63.7	66.8	127	134	53-162	5	20	
Vinyl chloride	ug/L	ND	50	50	54.3	56.3	109	113	51-144	4	20	
Xylene (Total)	ug/L	ND	150	150	128	123	85	82	44-152	4	20	
4-Bromofluorobenzene (S)	%						92	94	70-126		20	
Dibromofluoromethane (S)	%						101	102	80-123		20	
Toluene-d8 (S)	%						103	102	80-116		20	

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QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

QC Batch: MSV/28206 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5043009015, 5043009016, 5043009017, 5043009018, 5043009019, 5043009020, 5043009021, 5043009022, 5043009023, 5043009024, 5043009025, 5043009026, 5043009027

METHOD BLANK: 507025 Matrix: Water
Associated Lab Samples: 5043009015, 5043009016, 5043009017, 5043009018, 5043009019, 5043009020, 5043009021, 5043009022, 5043009023, 5043009024, 5043009025, 5043009026, 5043009027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/12/10 02:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/12/10 02:46	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/12/10 02:46	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/12/10 02:46	
1,1-Dichloroethane	ug/L	ND	5.0	11/12/10 02:46	
1,1-Dichloroethene	ug/L	ND	5.0	11/12/10 02:46	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/12/10 02:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/12/10 02:46	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/12/10 02:46	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/12/10 02:46	
1,2-Dichloroethane	ug/L	ND	5.0	11/12/10 02:46	
1,2-Dichloropropane	ug/L	ND	5.0	11/12/10 02:46	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/12/10 02:46	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/12/10 02:46	
2-Butanone (MEK)	ug/L	ND	25.0	11/12/10 02:46	
2-Hexanone	ug/L	ND	25.0	11/12/10 02:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/12/10 02:46	
Acetone	ug/L	ND	100	11/12/10 02:46	
Benzene	ug/L	ND	5.0	11/12/10 02:46	
Bromodichloromethane	ug/L	ND	5.0	11/12/10 02:46	
Bromoform	ug/L	ND	5.0	11/12/10 02:46	
Bromomethane	ug/L	ND	5.0	11/12/10 02:46	
Carbon disulfide	ug/L	ND	10.0	11/12/10 02:46	
Carbon tetrachloride	ug/L	ND	5.0	11/12/10 02:46	
Chlorobenzene	ug/L	ND	5.0	11/12/10 02:46	
Chloroethane	ug/L	ND	5.0	11/12/10 02:46	
Chloroform	ug/L	ND	5.0	11/12/10 02:46	
Chloromethane	ug/L	ND	5.0	11/12/10 02:46	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/12/10 02:46	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/12/10 02:46	
Cyclohexane	ug/L	ND	100	11/12/10 02:46	
Dibromochloromethane	ug/L	ND	5.0	11/12/10 02:46	
Dichlorodifluoromethane	ug/L	ND	5.0	11/12/10 02:46	
Ethylbenzene	ug/L	ND	5.0	11/12/10 02:46	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/12/10 02:46	
Methyl acetate	ug/L	ND	50.0	11/12/10 02:46	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/12/10 02:46	
Methylcyclohexane	ug/L	ND	50.0	11/12/10 02:46	
Methylene chloride	ug/L	ND	5.0	11/12/10 02:46	
Styrene	ug/L	ND	5.0	11/12/10 02:46	
Tetrachloroethene	ug/L	ND	5.0	11/12/10 02:46	

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QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

METHOD BLANK: 507025 Matrix: Water

Associated Lab Samples: 5043009015, 5043009016, 5043009017, 5043009018, 5043009019, 5043009020, 5043009021, 5043009022, 5043009023, 5043009024, 5043009025, 5043009026, 5043009027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/12/10 02:46	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/12/10 02:46	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/12/10 02:46	
Trichloroethene	ug/L	ND	5.0	11/12/10 02:46	
Trichlorofluoromethane	ug/L	ND	5.0	11/12/10 02:46	
Vinyl chloride	ug/L	ND	2.0	11/12/10 02:46	
Xylene (Total)	ug/L	ND	10.0	11/12/10 02:46	
4-Bromofluorobenzene (S)	%	94	70-126	11/12/10 02:46	
Dibromofluoromethane (S)	%	97	80-123	11/12/10 02:46	
Toluene-d8 (S)	%	100	80-116	11/12/10 02:46	

LABORATORY CONTROL SAMPLE: 507026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	34.8	70	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	44.5	89	69-131	
1,1,2-Trichloroethane	ug/L	50	43.1	86	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	37.9	76	70-130	
1,1-Dichloroethane	ug/L	50	40.9	82	67-133	
1,1-Dichloroethene	ug/L	50	42.5	85	63-128	
1,2,4-Trichlorobenzene	ug/L	50	41.8	84	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.0	82	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	44.4	89	75-126	
1,2-Dichlorobenzene	ug/L	50	45.7	91	76-124	
1,2-Dichloroethane	ug/L	50	42.3	85	69-139	
1,2-Dichloropropane	ug/L	50	41.4	83	76-129	
1,3-Dichlorobenzene	ug/L	50	44.8	90	76-125	
1,4-Dichlorobenzene	ug/L	50	43.7	87	75-122	
2-Butanone (MEK)	ug/L	250	190	76	47-189	
2-Hexanone	ug/L	250	180	72	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	190	76	61-135	
Acetone	ug/L	250	170	68	30-170	
Benzene	ug/L	50	43.4	87	78-127	
Bromodichloromethane	ug/L	50	40.0	80	69-133	
Bromoform	ug/L	50	38.5	77	60-127	
Bromomethane	ug/L	50	69.7	139	30-170	
Carbon disulfide	ug/L	100	74.0	74	58-152	
Carbon tetrachloride	ug/L	50	31.3	63	62-143	
Chlorobenzene	ug/L	50	44.0	88	75-123	
Chloroethane	ug/L	50	53.6	107	56-153	
Chloroform	ug/L	50	39.3	79	74-131	
Chloromethane	ug/L	50	37.3	75	35-147	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	74-128	
cis-1,3-Dichloropropene	ug/L	50	34.7	69	58-123	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

LABORATORY CONTROL SAMPLE: 507026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	ND	70	63-134	
Dibromochloromethane	ug/L	50	39.2	78	66-131	
Dichlorodifluoromethane	ug/L	50	54.6	109	30-170	
Ethylbenzene	ug/L	50	43.0	86	81-126	
Isopropylbenzene (Cumene)	ug/L	50	41.3	83	80-130	
Methyl acetate	ug/L	50	ND	47	30-170	
Methyl-tert-butyl ether	ug/L	100	76.7	77	66-147	
Methylcyclohexane	ug/L	50	ND	71	65-135	
Methylene chloride	ug/L	50	40.2	80	32-164	
Styrene	ug/L	50	42.5	85	74-128	
Tetrachloroethene	ug/L	50	37.8	76	60-119	
Toluene	ug/L	50	44.1	88	75-129	
trans-1,2-Dichloroethene	ug/L	50	43.9	88	71-126	
trans-1,3-Dichloropropene	ug/L	50	29.2	58	54-123	
Trichloroethene	ug/L	50	41.1	82	74-130	
Trichlorofluoromethane	ug/L	50	52.5	105	62-150	
Vinyl chloride	ug/L	50	46.9	94	55-141	
Xylene (Total)	ug/L	150	127	85	76-132	
4-Bromofluorobenzene (S)	%			91	70-126	
Dibromofluoromethane (S)	%			101	80-123	
Toluene-d8 (S)	%			100	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 507027 507028

Parameter	Units	5043009023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	31.5	32.7	63	65	64-143	4	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.1	45.4	92	91	64-142	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	44.9	44.4	90	89	71-143	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	47.8	47.1	96	94	70-130	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	45.6	45.5	88	88	68-139	.2	20	
1,1-Dichloroethene	ug/L	ND	50	50	46.8	45.3	94	91	55-140	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	16.1	17.5	32	35	28-140	8	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	40.1	41.4	80	83	39-140	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	44.0	43.9	88	88	67-134	.2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	23.4	24.3	47	49	48-137	4	20	
1,2-Dichloroethane	ug/L	ND	50	50	44.4	44.0	89	88	63-148	.9	20	
1,2-Dichloropropane	ug/L	ND	50	50	41.4	40.5	83	81	70-136	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	18.9	19.9	38	40	40-143	5	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	17.9	19.0	36	38	38-142	6	20	
2-Butanone (MEK)	ug/L	ND	250	250	243	240	97	96	62-132	1	20	
2-Hexanone	ug/L	ND	250	250	212	209	85	83	61-141	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	232	229	93	92	57-135	1	20	
Acetone	ug/L	ND	250	250	260	250	102	98	30-170	4	20	
Benzene	ug/L	ND	50	50	41.7	41.0	82	81	63-141	2	20	
Bromodichloromethane	ug/L	ND	50	50	38.2	38.4	76	77	63-135	.5	20	
Bromoform	ug/L	ND	50	50	33.6	34.3	67	69	58-124	2	20	

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: E027025/Allison
Pace Project No.: 5043009

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 507027 507028

Parameter	Units	5043009023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	ND	50	50	77.6	77.2	155	154	30-170	.5	20	
Carbon disulfide	ug/L	ND	100	100	75.1	73.0	75	73	46-162	3	20	
Carbon tetrachloride	ug/L	ND	50	50	25.9	27.1	52	54	54-145	4	20	1d
Chlorobenzene	ug/L	ND	50	50	29.7	29.9	59	60	56-133	.8	20	
Chloroethane	ug/L	ND	50	50	58.8	57.8	118	116	54-157	2	20	
Chloroform	ug/L	ND	50	50	40.5	40.0	81	80	67-134	1	20	
Chloromethane	ug/L	ND	50	50	40.2	41.2	80	82	36-137	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	48.2	47.5	93	91	65-132	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	29.6	30.4	59	61	46-121	3	20	
Cyclohexane	ug/L	ND	50	50	ND	ND	73	73	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	36.3	37.1	73	74	64-124	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	49.5	49.7	99	99	30-163	.4	20	
Ethylbenzene	ug/L	ND	50	50	24.4	24.7	49	49	44-151	1	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	19.8	20.6	40	41	40-148	4	20	
Methyl acetate	ug/L	ND	50	50	61.4	60.0	123	120	40-182	2	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	82.3	83.2	82	83	52-156	1	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	65	64	44-158		20	
Methylene chloride	ug/L	ND	50	50	43.0	42.9	86	86	46-154	.1	20	
Styrene	ug/L	ND	50	50	23.9	23.9	48	48	38-141	.3	20	
Tetrachloroethene	ug/L	ND	50	50	24.9	25.0	50	50	25-146	.7	20	
Toluene	ug/L	ND	50	50	34.0	33.6	68	67	59-142	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	43.2	42.7	86	85	60-137	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	22.7	23.9	45	48	43-117	5	20	
Trichloroethene	ug/L	ND	50	50	34.7	34.1	69	68	61-137	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	60.2	60.3	120	121	53-162	.3	20	
Vinyl chloride	ug/L	5.8	50	50	55.7	54.4	100	97	51-144	2	20	
Xylene (Total)	ug/L	ND	150	150	70.3	71.6	47	48	44-152	2	20	
4-Bromofluorobenzene (S)	%						91	92	70-126		20	
Dibromofluoromethane (S)	%						102	100	80-123		20	
Toluene-d8 (S)	%						101	102	80-116		20	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: E027025/Allison
Pace Project No.: 5043009

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

1d	Multiple compounds are outside acceptance limits due to sample matrix. Refer to LCS for system control and data acceptability. JLF 11/12/10.
J	Analyte detected below reporting limit, therefore result is an estimate.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 2

ID # Nº 09338

SSOW Ref. Code: E027025

Required Client Information:

Company: Arcadis	Report To: Sarah Fisher
Address: 251 E. Ohio St. Suite 800 Indianapolis, IN 46204	Copy To: Heather Gastineau-Lyons
	Invoice To:
	P.O.:
Phone: 317 231 6500	Project Name: Allison
Fax: 317 231 6519	Project Number: IA000473.0020.00004
E-mail: SFisher@arcadis-us.com	

Laboratory: Pace	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date:	TAT: STANDARD
QA/QC Requirements: Level II	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Analysis and Method

5043009

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC's	Remarks/Lab ID
1. MW-0419-53(110110)	WG	11/1/10	1145	3		X					X	001
2. MW-0420-53(110110)	WG	11/1/10	1205	3		X					X	002
3. MW-0421-53(110110)	WG	11/1/10	1235	3		X					X	003
4. MW-0419-52B(110110)	WG	11/1/10	1140	3		X					X	004
5. MW-0819-52B(110110)	WG	11/1/10	1215	9		X					X	MS/MSD 005
6. MW-0421-52(110110)	WG	11/1/10	1240	3		X					X	006
7. MW-0102-52(110110)	WG	11/1/10	1250	3		X					X	007
8. MW-0818-53(110110)	WG	11/1/10	1255	3		X					X	008
9. MW-0817-53(110110)	WG	11/1/10	1315	3		X					X	009
10. MW-0817-52B(110110)	WG	11/1/10	1320	3		X					X	010
11. MW-53-0601(110110)	WG	11/1/10	1330	3		X					X	011
12. MW-52B-0501(110110)	WG	11/1/10	1410	3		X					X	012
13. MW-53-0501(110110)	WG	11/1/10	1420	3		X					X	013
14. MW-0406-52B(110110)	WG	11/1/10	1430	3		X					X	014
15. MW-0904-52B(110110)	WG	11/1/10	1435	3		X					X	015
TOTAL NUMBER OF CONTAINERS												

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Scott Maletyt / Arcadis	11/1/10	1720	Marisa Cv, Sdm	11/1/10	1520
AIRBILL NO.							

Sample Condition

Temp in °C	5.3°C 5.3°C
Received on Ice	(Y)/N
Sealed Cooler	Y/(N)
Samples Intact	(Y)/N

Additional Comments:

Client WI

Sampler Name: Scott Maletyt

Sampler Signature: Scott Maletyt Date: 11/1/10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

67 of 587

GM | REALM
ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 2 OF 2

ID # Nº 09339

SSOW Ref. Code: E027025

Required Client Information:

Company: Arcadis	Report To: Sarah Fisher
Address: 251 E. Ohio St. Suite 800	Copy To: Heather Gastiner-Lyon
Indianapolis, IN 46204	Invoice To:
Phone: 317-231-6500	P.O.:
Fax: 317-231-6514	Project Name: Allison
E-mail: sfisher@arcadis-us.com	Project Number: IN000478.0020.00004

Laboratory: Pace	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date:	TAT: Standard
QA/QC Requirements: Level IV	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

5043009

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs	Remarks/Lab ID
1.	MW-0409-52B(110110)	WG	11/1/10	1440	3		X					X	016
2.	FD-1(110110)-SM per Heather 11/24/10 1441	WG	11/1/10	~~1440~~	3		X					X	017
3.	~~MW-0202-52A(110110)~~	~~WG~~	~~11/1/10~~		~~3~~		~~X~~					~~X~~	—
4.	MW-0202-52B(110110)	WG	11/1/10	1500	3		X					X	018
5.	MW-0403-52B(110110)	WG	11/1/10	1530	3		X					X	019
6.	FD-2(110110)-SM per Heather 11/24/10 1603	WG	11/1/10	~~1530~~	3		X					X	020
7.	MW-0417-53(110110)	WG	11/1/10	1545	3		X					X	021
8.	MW-0904-53(110110)	WG	11/1/10	1600	3		X					X	022
9.	MW-0416-52A(110110) per Heather 11/24/10 1605	WG	11/1/10	~~1610~~	9		X					X	MS/MSD 023
10.	MW-0426-52B(110110)	WG	11/1/10	1550	3		X					X	024
11.	MW-0903-53(110110) per Heather 11/24/10 1610	WG	11/1/10	~~1615~~	3		X					X	025
12.	MW-0202-53(110110)	WG	11/1/10	1515	3		X					X	run VOC per Heather 11/24/10 Hold 026
13.	TB-1-(110110)-SM	WQ	11/1/10	1200	3		X					X	per Heather 11/24/10 027
14.													
15.													
	TOTAL NUMBER OF CONTAINERS												

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Scott Mulefyt / Arcadis	11/1/10	1720	Marcee Cole / Pace	11/1/10	1720
AIRBILL NO.							

Sample Condition

Temp in °C	3.6°C ≤ 3°C
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Client

Sampler Name: Scott Mulefyt

Sampler Signature: [signature] Date: 11/1/10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Face Analytical Client Name: Arcadis Project # 5043009

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other ice

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.6 C Ice Visible in Sample Containers: ☐ yes ☑ no.

Temp should be above freezing to 6°C 5.3 C

Date and Initials of person examining contents: 11/1/10 MW

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No ☑N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
~~Project Manager Review~~		
~~Samples Arrived within Hold Time:~~	~~☑Yes ☐No ☐N/A~~	~~12.~~
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
~~Correct Containers Used:~~	~~☑Yes ☐No ☐N/A~~	~~14.~~

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: L. Mays **Date:** 11-2-10

Form F-IN-Q290-rev.1, 06Jul2010

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 2

COC ID#

Project # 50430009

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2																
3																
4																
5	9															8 19 528
6	3															
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Aradis

COC PAGE 1 of 2 cont.

COC ID# _____

Project # 5043009

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															Line 13
2	3															Line 14
3	3															Line 15
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arcadis

COC PAGE 2 of 2

COC ID# _____

Project # 5043009

Sample Line Item	DG9H	AG1U	WGFU	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2																
3																
4																
5																
6																
7																
8	9															4/6 S2A
9	3															
10	3															
11	3															
12	3															TB

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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VOA 8260B
GC/MS Volatiles

Project Number B043009

Initials/ Date Compiled JF 1-15-10

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S3(110110)
Lab ID: 5043009001
Collected: 11/01/10 11:45
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 15:32	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 15:32	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 15:32	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 15:32	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 15:32	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 15:32	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 15:32	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 15:32	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 15:32	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 15:32	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 15:32	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 15:32	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 15:32	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 15:32	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S3(110110)
Lab ID: 5043009001
Collected: 11/01/10 11:45
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 15:32	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 15:32	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 15:32	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 15:32	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/11/10 15:32	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		11/11/10 15:32	
2037-26-5	Toluene-d8 (S)	**102**	%	80-116		1		11/11/10 15:32	

Date: 11/18/2010 08:50 AM

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0420-S3(110110)
Lab ID: 5043009002
Collected: 11/01/10 12:05
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 16:09	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 16:09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 16:09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 16:09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 16:09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 16:09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 16:09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 16:09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 16:09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 16:09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 16:09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 16:09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 16:09	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 16:09	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0420-S3(110110)
Lab ID: 5043009002
Collected: 11/01/10 12:05
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 16:09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 16:09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 16:09	
1868-53-7	Dibromofluoromethane (S)	**96**	%	80-123		1		11/11/10 16:09	
460-00-4	4-Bromofluorobenzene (S)	**96**	%	70-126		1		11/11/10 16:09	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/11/10 16:09	

Date: 11/18/2010 08:50 AM

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S3(110110)
Lab ID: 5043009003
Collected: 11/01/10 12:35
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 16:47	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 16:47	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 16:47	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 16:47	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 16:47	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 16:47	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 16:47	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 16:47	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 16:47	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 16:47	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 16:47	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 16:47	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 16:47	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 16:47	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S3(110110)
Lab ID: 5043009003
Collected: 11/01/10 12:35
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 16:47	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 16:47	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 16:47	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 16:47	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/11/10 16:47	
460-00-4	4-Bromofluorobenzene (S)	**109**	%	70-126		1		11/11/10 16:47	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/11/10 16:47	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S2B(110110)
Lab ID: 5043009004
Collected: 11/01/10 11:40
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 17:24	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 17:24	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 17:24	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 17:24	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 17:24	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 17:24	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 17:24	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 17:24	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 17:24	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 17:24	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 17:24	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 17:24	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 17:24	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 17:24	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S2B(110110)
Lab ID: 5043009004
Collected: 11/01/10 11:40
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 17:24	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 17:24	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 17:24	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 17:24	
1868-53-7	Dibromofluoromethane (S)	96	%	80-123		1		11/11/10 17:24	
460-00-4	4-Bromofluorobenzene (S)	96	%	70-126		1		11/11/10 17:24	
2037-26-5	Toluene-d8 (S)	102	%	80-116		1		11/11/10 17:24	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0819-S2B(110110)
Lab ID: 5043009005
Collected: 11/01/10 12:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 18:02	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 18:02	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 18:02	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 18:02	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 18:02	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 18:02	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 18:02	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 18:02	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 18:02	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 18:02	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 18:02	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 18:02	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 18:02	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 18:02	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0819-S2B(110110)
Lab ID: 5043009005
Collected: 11/01/10 12:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**1.0J**	ug/L	5.0	1.0	1		11/11/10 18:02	J
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 18:02	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 18:02	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 18:02	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/11/10 18:02	
460-00-4	4-Bromofluorobenzene (S)	**94**	%	70-126		1		11/11/10 18:02	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/11/10 18:02	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S2(110110)
Lab ID: 5043009006
Collected: 11/01/10 12:40
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 19:54	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 19:54	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 19:54	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 19:54	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 19:54	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 19:54	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 19:54	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 19:54	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 19:54	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 19:54	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 19:54	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 19:54	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 19:54	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 19:54	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S2(110110)
Lab ID: 5043009006
Collected: 11/01/10 12:40
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 19:54	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 19:54	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 19:54	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 19:54	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/11/10 19:54	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		11/11/10 19:54	
2037-26-5	Toluene-d8 (S)	**102**	%	80-116		1		11/11/10 19:54	

Date: 11/18/2010 08:50 AM

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(317)875-5894

ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0102-S2(110110)
Lab ID: 5043009007
Collected: 11/01/10 12:50
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 20:32	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 20:32	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 20:32	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 20:32	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 20:32	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 20:32	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 20:32	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 20:32	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 20:32	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 20:32	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 20:32	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 20:32	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 20:32	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 20:32	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	

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(317)875-5894

ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0102-S2(110110)
Lab ID: 5043009007
Collected: 11/01/10 12:50
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 20:32	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 20:32	
75-01-4	Vinyl chloride	**2.7**	ug/L	2.0	1.0	1		11/11/10 20:32	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 20:32	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/11/10 20:32	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/11/10 20:32	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/11/10 20:32	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0818-S3(110110)
Lab ID: 5043009008
Collected: 11/01/10 12:55
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 21:09	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 21:09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 21:09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 21:09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 21:09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 21:09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 21:09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 21:09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 21:09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 21:09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 21:09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 21:09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 21:09	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 21:09	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0818-S3(110110)
Lab ID: 5043009008
Collected: 11/01/10 12:55
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 21:09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 21:09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 21:09	
1868-53-7	Dibromofluoromethane (S)	**97**	%	80-123		1		11/11/10 21:09	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/11/10 21:09	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/11/10 21:09	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S3(110110)
Lab ID: 5043009009
Collected: 11/01/10 13:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 21:46	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 21:46	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 21:46	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 21:46	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 21:46	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 21:46	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 21:46	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 21:46	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 21:46	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 21:46	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 21:46	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 21:46	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 21:46	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 21:46	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S3(110110)
Lab ID: 5043009009
Collected: 11/01/10 13:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 21:46	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 21:46	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 21:46	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 21:46	
1868-53-7	Dibromofluoromethane (S)	**97**	%	80-123		1		11/11/10 21:46	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/11/10 21:46	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/11/10 21:46	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S2B(110110)
Lab ID: 5043009010
Collected: 11/01/10 13:20
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 22:24	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 22:24	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 22:24	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 22:24	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 22:24	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 22:24	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 22:24	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 22:24	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 22:24	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 22:24	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 22:24	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 22:24	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 22:24	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 22:24	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S2B(110110)
Lab ID: 5043009010
Collected: 11/01/10 13:20
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 22:24	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 22:24	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 22:24	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 22:24	
1868-53-7	Dibromofluoromethane (S)	**96**	%	80-123		1		11/11/10 22:24	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/11/10 22:24	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		11/11/10 22:24	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0601(110110)
Lab ID: 5043009011
Collected: 11/01/10 13:30
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 23:01	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 23:01	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 23:01	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 23:01	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 23:01	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 23:01	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 23:01	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 23:01	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 23:01	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 23:01	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 23:01	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 23:01	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 23:01	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/10 23:01	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0601(110110)
Lab ID: 5043009011
Collected: 11/01/10 13:30
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**4.2J**	ug/L	5.0	1.0	1		11/11/10 23:01	J
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:01	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 23:01	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 23:01	
1868-53-7	Dibromofluoromethane (S)	**97**	%	80-123		1		11/11/10 23:01	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/11/10 23:01	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/11/10 23:01	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2B-0501(110110)
Lab ID: 5043009012
Collected: 11/01/10 14:10
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 00:16	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 00:16	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 00:16	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 00:16	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 00:16	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 00:16	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 00:16	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 00:16	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 00:16	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 00:16	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 00:16	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 00:16	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 00:16	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 00:16	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2B-0501(110110)
Lab ID: 5043009012
Collected: 11/01/10 14:10
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 00:16	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 00:16	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 00:16	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 00:16	
1868-53-7	Dibromofluoromethane (S)	**97**	%	80-123		1		11/12/10 00:16	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 00:16	
2037-26-5	Toluene-d8 (S)	**102**	%	80-116		1		11/12/10 00:16	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0501(110110)
Lab ID: 5043009013
Collected: 11/01/10 14:20
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 14:55	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 14:55	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 14:55	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 14:55	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 14:55	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 14:55	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 14:55	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 14:55	
75-35-4	1,1-Dichloroethene	**5.8**	ug/L	5.0	2.5	1		11/11/10 14:55	
156-59-2	cis-1,2-Dichloroethene	**59.3**	ug/L	5.0	2.5	1		11/11/10 14:55	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 14:55	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 14:55	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 14:55	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 14:55	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 14:55	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
127-18-4	Tetrachloroethene	**2030**	ug/L	250	50.0	50		11/12/10 16:55	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0501(110110)
Lab ID: 5043009013
Collected: 11/01/10 14:20
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**159**	ug/L	5.0	1.0	1		11/11/10 14:55	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 14:55	
75-01-4	Vinyl chloride	**2.8**	ug/L	2.0	1.0	1		11/11/10 14:55	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 14:55	
1868-53-7	Dibromofluoromethane (S)	**95**	%	80-123		1		11/11/10 14:55	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/11/10 14:55	
2037-26-5	Toluene-d8 (S)	**107**	%	80-116		1		11/11/10 14:55	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0406-S2B(110110)
Lab ID: 5043009014
Collected: 11/01/10 14:30
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/11/10 23:39	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/11/10 23:39	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/11/10 23:39	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/10 23:39	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/10 23:39	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/11/10 23:39	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/11/10 23:39	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/11/10 23:39	
75-35-4	1,1-Dichloroethene	**2.7J**	ug/L	5.0	2.5	1		11/11/10 23:39	J
156-59-2	cis-1,2-Dichloroethene	**3.5J**	ug/L	5.0	2.5	1		11/11/10 23:39	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/10 23:39	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/11/10 23:39	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/11/10 23:39	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/10 23:39	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/10 23:39	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
127-18-4	Tetrachloroethene	**2.6J**	ug/L	5.0	1.0	1		11/11/10 23:39	J
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0406-S2B(110110)
Lab ID: 5043009014
Collected: 11/01/10 14:30
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/10 23:39	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/11/10 23:39	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/10 23:39	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/10 23:39	
1868-53-7	Dibromofluoromethane (S)	**96**	%	80-123		1		11/11/10 23:39	
460-00-4	4-Bromofluorobenzene (S)	**94**	%	70-126		1		11/11/10 23:39	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/11/10 23:39	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0904-S2B(110110)
Lab ID: 5043009015
Collected: 11/01/10 14:35
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 03:23	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 03:23	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 03:23	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 03:23	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 03:23	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 03:23	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 03:23	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 03:23	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 03:23	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 03:23	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 03:23	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 03:23	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 03:23	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 03:23	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0904-S2B(110110)
Lab ID: 5043009015
Collected: 11/01/10 14:35
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 03:23	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 03:23	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 03:23	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 03:23	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/12/10 03:23	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 03:23	
2037-26-5	Toluene-d8 (S)	**102**	%	80-116		1		11/12/10 03:23	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0409-S2B(110110)
Lab ID: 5043009016
Collected: 11/01/10 14:40
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 04:01	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 04:01	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 04:01	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 04:01	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 04:01	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 04:01	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 04:01	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 04:01	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
156-59-2	cis-1,2-Dichloroethene	**67.4**	ug/L	5.0	2.5	1		11/12/10 04:01	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 04:01	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 04:01	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 04:01	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 04:01	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 04:01	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 04:01	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	

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(317)875-5894

ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0409-S2B(110110)
Lab ID: 5043009016
Collected: 11/01/10 14:40
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**1.8J**	ug/L	5.0	1.0	1		11/12/10 04:01	J
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:01	
75-01-4	Vinyl chloride	**1.6J**	ug/L	2.0	1.0	1		11/12/10 04:01	J
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 04:01	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/12/10 04:01	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 04:01	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/12/10 04:01	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(110110)-SM
Lab ID: 5043009017
Collected: 11/01/10 14:41
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 04:38	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 04:38	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 04:38	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 04:38	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 04:38	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 04:38	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 04:38	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 04:38	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
156-59-2	cis-1,2-Dichloroethene	**68.0**	ug/L	5.0	2.5	1		11/12/10 04:38	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 04:38	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 04:38	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 04:38	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 04:38	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 04:38	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 04:38	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(110110)-SM
Lab ID: 5043009017
Collected: 11/01/10 14:41
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**2.0J**	ug/L	5.0	1.0	1		11/12/10 04:38	J
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 04:38	
75-01-4	Vinyl chloride	**1.6J**	ug/L	2.0	1.0	1		11/12/10 04:38	J
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 04:38	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/12/10 04:38	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 04:38	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		**1**		11/12/10 04:38	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S2B(110110)
Lab ID: 5043009018
Collected: 11/01/10 15:00
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 05:16	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 05:16	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 05:16	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 05:16	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 05:16	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 05:16	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 05:16	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
75-34-3	1,1-Dichloroethane	**4.0J**	ug/L	5.0	2.5	1		11/12/10 05:16	J
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 05:16	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
156-59-2	cis-1,2-Dichloroethene	**3.7J**	ug/L	5.0	2.5	1		11/12/10 05:16	J
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 05:16	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 05:16	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 05:16	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 05:16	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 05:16	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 05:16	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S2B(110110)
Lab ID: 5043009018
Collected: 11/01/10 15:00
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 05:16	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:16	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 05:16	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 05:16	
1868-53-7	Dibromofluoromethane (S)	**96**	%	80-123		1		11/12/10 05:16	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/12/10 05:16	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/12/10 05:16	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0403-S2B(110110)
Lab ID: 5043009019
Collected: 11/01/10 15:30
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 12:08	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 12:08	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 12:08	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 12:08	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 12:08	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 12:08	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 12:08	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 12:08	
75-35-4	1,1-Dichloroethene	**7.3**	ug/L	5.0	2.5	1		11/12/10 12:08	
156-59-2	cis-1,2-Dichloroethene	**210**	ug/L	5.0	2.5	1		11/12/10 12:08	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 12:08	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 12:08	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 12:08	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 12:08	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 12:08	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
127-18-4	Tetrachloroethene	**57500**	ug/L	1250	250	250		11/12/10 16:17	
108-88-3	Toluene	**7.4**	ug/L	5.0	2.5	1		11/12/10 12:08	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0403-S2B(110110)
Lab ID: 5043009019
Collected: 11/01/10 15:30
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**3240**	ug/L	1250	250	250		11/12/10 16:17	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 12:08	
75-01-4	Vinyl chloride	**4.2**	ug/L	2.0	1.0	1		11/12/10 12:08	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 12:08	
1868-53-7	Dibromofluoromethane (S)	**95**	%	80-123		1		11/12/10 12:08	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		11/12/10 12:08	
2037-26-5	Toluene-d8 (S)	**104**	%	80-116		1		11/12/10 12:08	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-2(110110)-SM
Lab ID: 5043009020
Collected: 11/01/10 15:31
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 05:53	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 05:53	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 05:53	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 05:53	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 05:53	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 05:53	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 05:53	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 05:53	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 05:53	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 05:53	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 05:53	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 05:53	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 05:53	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
127-18-4	Tetrachloroethene	**54.5**	ug/L	5.0	1.0	1		11/12/10 05:53	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-2(110110)-SM
Lab ID: 5043009020
Collected: 11/01/10 15:31
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**2.9J**	ug/L	5.0	1.0	1		11/12/10 05:53	J
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 05:53	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 05:53	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 05:53	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/12/10 05:53	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 05:53	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/12/10 05:53	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0417-S3(110110)
Lab ID: 5043009021
Collected: 11/01/10 15:45
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 06:31	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 06:31	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 06:31	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 06:31	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 06:31	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 06:31	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 06:31	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 06:31	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
156-59-2	cis-1,2-Dichloroethene	**156**	ug/L	5.0	2.5	1		11/12/10 06:31	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 06:31	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 06:31	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 06:31	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 06:31	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 06:31	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
127-18-4	Tetrachloroethene	**792**	ug/L	50.0	10.0	10		11/12/10 17:32	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0417-S3(110110)
Lab ID: 5043009021
Collected: 11/01/10 15:45
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**738**	ug/L	50.0	10.0	10		11/12/10 17:32	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 06:31	
75-01-4	Vinyl chloride	**3.1**	ug/L	2.0	1.0	1		11/12/10 06:31	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 06:31	
1868-53-7	Dibromofluoromethane (S)	**96**	%	80-123		1		11/12/10 06:31	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/12/10 06:31	
2037-26-5	Toluene-d8 (S)	**102**	%	80-116		1		11/12/10 06:31	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0904-S3(110110)
Lab ID: 5043009022
Collected: 11/01/10 16:00
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 07:08	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 07:08	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 07:08	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 07:08	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 07:08	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 07:08	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 07:08	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 07:08	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 07:08	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 07:08	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 07:08	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 07:08	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 07:08	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 07:08	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0904-S3(110110)
Lab ID: 5043009022
Collected: 11/01/10 16:00
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 07:08	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:08	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 07:08	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 07:08	
1868-53-7	Dibromofluoromethane (S)	97	%	80-123		1		11/12/10 07:08	
460-00-4	4-Bromofluorobenzene (S)	92	%	70-126		1		11/12/10 07:08	
2037-26-5	Toluene-d8 (S)	101	%	80-116		1		11/12/10 07:08	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0416-S2A(110110)
Lab ID: 5043009023
Collected: 11/01/10 16:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 07:46	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 07:46	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 07:46	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 07:46	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 07:46	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 07:46	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 07:46	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 07:46	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 07:46	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 07:46	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 07:46	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 07:46	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 07:46	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 07:46	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0416-S2A(110110)
Lab ID: 5043009023
Collected: 11/01/10 16:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 07:46	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 07:46	
75-01-4	Vinyl chloride	**5.8**	ug/L	2.0	1.0	1		11/12/10 07:46	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 07:46	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/12/10 07:46	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		11/12/10 07:46	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/12/10 07:46	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0426-S2B(110110)
Lab ID: 5043009024
Collected: 11/01/10 15:50
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 09:38	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 09:38	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 09:38	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 09:38	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 09:38	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 09:38	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 09:38	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 09:38	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 09:38	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 09:38	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 09:38	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 09:38	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 09:38	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 09:38	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0426-S2B(110110)
Lab ID: 5043009024
Collected: 11/01/10 15:50
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 09:38	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 09:38	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 09:38	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 09:38	
1868-53-7	Dibromofluoromethane (S)	**97**	%	80-123		1		11/12/10 09:38	
460-00-4	4-Bromofluorobenzene (S)	**91**	%	70-126		1		11/12/10 09:38	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/12/10 09:38	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0903-S3(110110)
Lab ID: 5043009025
Collected: 11/01/10 16:10
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 10:16	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 10:16	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 10:16	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 10:16	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 10:16	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 10:16	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 10:16	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 10:16	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 10:16	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 10:16	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 10:16	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 10:16	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 10:16	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 10:16	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0903-S3(110110)
Lab ID: 5043009025
Collected: 11/01/10 16:10
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 10:16	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:16	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 10:16	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 10:16	
1868-53-7	Dibromofluoromethane (S)	96	%	80-123		1		11/12/10 10:16	
460-00-4	4-Bromofluorobenzene (S)	94	%	70-126		1		11/12/10 10:16	
2037-26-5	Toluene-d8 (S)	100	%	80-116		1		11/12/10 10:16	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S3(110110)
Lab ID: 5043009026
Collected: 11/01/10 15:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 10:53	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 10:53	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 10:53	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 10:53	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 10:53	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 10:53	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 10:53	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 10:53	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 10:53	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 10:53	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 10:53	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 10:53	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 10:53	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 10:53	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S3(110110)
Lab ID: 5043009026
Collected: 11/01/10 15:15
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 10:53	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 10:53	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 10:53	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 10:53	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		11/12/10 10:53	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 10:53	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		11/12/10 10:53	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(110110)-SM
Lab ID: 5043009027
Collected: 11/01/10 12:00
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	50.0	1		11/12/10 11:31	
71-43-2	Benzene	ND	ug/L	5.0	1.0	1		11/12/10 11:31	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	1		11/12/10 11:31	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/10 11:31	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/10 11:31	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	1		11/12/10 11:31	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	1		11/12/10 11:31	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/10 11:31	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/10 11:31	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		11/12/10 11:31	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		11/12/10 11:31	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/10 11:31	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/10 11:31	
100-42-5	Styrene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/10 11:31	
108-88-3	Toluene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	

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ANALYTICAL RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(110110)-SM
Lab ID: 5043009027
Collected: 11/01/10 12:00
Received: 11/01/10 17:20

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/10 11:31	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	1		11/12/10 11:31	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/10 11:31	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/10 11:31	
1868-53-7	Dibromofluoromethane (S)	**94**	%	80-123		1		11/12/10 11:31	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		11/12/10 11:31	
2037-26-5	Toluene-d8 (S)	**100**	%	80-116		1		11/12/10 11:31	

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METHOD BLANK RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28205 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5043009001, 5043009002, 5043009003, 5043009004, 5043009005, 5043009006, 5043009007, 5043009008, 5043009009, 5043009010, 5043009011, 5043009012, 5043009013, 5043009014

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	11/11/10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	11/11/10	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	11/11/10	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	11/11/10	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	11/11/10	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	11/11/10	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	11/11/10	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	11/11/10	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	11/11/10	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	11/11/10	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	11/11/10	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	11/11/10	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	11/11/10	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	11/11/10	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	11/11/10	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	11/11/10	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	11/11/10	
67-64-1	Acetone	ND	ug/L	100	50.0	11/11/10	
71-43-2	Benzene	ND	ug/L	5.0	1.0	11/11/10	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	11/11/10	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	11/11/10	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	11/11/10	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	11/11/10	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	11/11/10	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	11/11/10	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	11/11/10	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	11/11/10	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	11/11/10	

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METHOD BLANK RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28205 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5043009001, 5043009002, 5043009003, 5043009004, 5043009005, 5043009006, 5043009007, 5043009008, 5043009009, 5043009010, 5043009011, 5043009012, 5043009013, 5043009014

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	11/11/10	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	11/11/10	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	11/11/10	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	11/11/10	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	11/11/10	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	11/11/10	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	11/11/10	
79-20-9	Methyl acetate	ND	ug/L	50.0		11/11/10	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	11/11/10	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		11/11/10	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	11/11/10	
100-42-5	Styrene	ND	ug/L	5.0	2.5	11/11/10	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	11/11/10	
108-88-3	Toluene	ND	ug/L	5.0	2.5	11/11/10	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	11/11/10	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	11/11/10	
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	11/11/10	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	11/11/10	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	11/11/10	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	11/11/10	

Type	Sample	Matrix
BLANK	507020	Water

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SURROGATE RECOVERY SUMMARY

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV / 28205
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
5043009001		MW-0419-S3(110110)	1	95		98		102							
507020	BLANK		1	94		97		100							
5043009002		MW-0420-S3(110110)	1	96		96		101							
507021	LCS		1	92		100		101							
5043009003		MW-0421-S3(110110)	1	109		98		100							
507022	MS		1	92		101		103							
5043009004		MW-0419-S2B(110110)	1	96		96		102							
507023	MSD		1	94		102		102							
5043009005	OQS	MW-0819-S2B(110110)	1	94		98		101							
5043009006		MW-0421-S2(110110)	1	95		98		102							
5043009007		MW-0102-S2(110110)	1	92		98		101							
5043009008		MW-0818-S3(110110)	1	93		97		100							
5043009009		MW-0817-S3(110110)	1	92		97		100							
5043009010		MW-0817-S2B(110110)	1	93		96		99							
5043009011		MW-S3-0601(110110)	1	93		97		100							
5043009012		MW-S2B-0501(110110)	1	92		97		102							
5043009013		MW-S3-0501(110110)	1	93		95		107							
5043009014		MW-0406-S2B(110110)	1	94		96		101							
		QC Limits:		70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

Date: 11/18/2010 08:50 AM

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LAB CONTROL SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28205 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	75			69-136		50	37.3		ug/L	11/11/10			
1,1,2,2-Tetrachloroethane	91			69-131		50	45.5		ug/L	11/11/10			
1,1,2-Trichloroethane	90			77-132		50	45.2		ug/L	11/11/10			
1,1,2-Trichlorotrifluoroethane	84			70-130		50	42.0		ug/L	11/11/10			
1,1-Dichloroethane	86			67-133		50	42.9		ug/L	11/11/10			
1,1-Dichloroethene	91			63-128		50	45.5		ug/L	11/11/10			
1,2,4-Trichlorobenzene	97			60-130		50	48.4		ug/L	11/11/10			
1,2-Dibromo-3-chloropropane	82			61-125		50	41.0		ug/L	11/11/10			
1,2-Dibromoethane (EDB)	91			75-126		50	45.6		ug/L	11/11/10			
1,2-Dichlorobenzene	96			76-124		50	48.1		ug/L	11/11/10			
1,2-Dichloroethane	87			69-139		50	43.3		ug/L	11/11/10			
1,2-Dichloropropane	86			76-129		50	42.8		ug/L	11/11/10			
1,3-Dichlorobenzene	96			76-125		50	48.0		ug/L	11/11/10			
1,4-Dichlorobenzene	95			75-122		50	47.6		ug/L	11/11/10			
2-Butanone (MEK)	90			47-189		250	224		ug/L	11/11/10			
2-Hexanone	80			57-167		250	201		ug/L	11/11/10			
4-Methyl-2-pentanone (MIBK)	80			61-135		250	199		ug/L	11/11/10			
Acetone	119			30-170		250	299		ug/L	11/11/10			
Benzene	90			78-127		50	45.0		ug/L	11/11/10			
Bromodichloromethane	83			69-133		50	41.3		ug/L	11/11/10			
Bromoform	76			60-127		50	38.0		ug/L	11/11/10			
Bromomethane	194			30-170		50	96.9		ug/L	11/11/10		L0	
Carbon disulfide	82			58-152		100	82.3		ug/L	11/11/10			
Carbon tetrachloride	67			62-143		50	33.5		ug/L	11/11/10			
Chlorobenzene	94			75-123		50	46.8		ug/L	11/11/10			
Chloroethane	116			56-153		50	58.0		ug/L	11/11/10			
Chloroform	81			74-131		50	40.6		ug/L	11/11/10			
Chloromethane	86			35-147		50	43.1		ug/L	11/11/10			
cis-1,2-Dichloroethene	95			74-128		50	47.3		ug/L	11/11/10			

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LAB CONTROL SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28205 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	77			58-123		50	38.7		ug/L	11/11/10			
Cyclohexane	74			63-134		50	ND		ug/L	11/11/10			
Dibromochloromethane	81			66-131		50	40.5		ug/L	11/11/10			
Dichlorodifluoromethane	120			30-170		50	60.1		ug/L	11/11/10			
Ethylbenzene	93			81-126		50	46.3		ug/L	11/11/10			
Isopropylbenzene (Cumene)	91			80-130		50	45.3		ug/L	11/11/10			
Methyl acetate	55			30-170		50	ND		ug/L	11/11/10			
Methyl-tert-butyl ether	79			66-147		100	79.2		ug/L	11/11/10			
Methylcyclohexane	76			65-135		50	ND		ug/L	11/11/10			
Methylene chloride	87			32-164		50	43.5		ug/L	11/11/10			
Styrene	92			74-128		50	45.8		ug/L	11/11/10			
Tetrachloroethene	82			60-119		50	41.0		ug/L	11/11/10			
Toluene	95			75-129		50	47.3		ug/L	11/11/10			
trans-1,2-Dichloroethene	92			71-126		50	45.8		ug/L	11/11/10			
trans-1,3-Dichloropropene	66			54-123		50	33.1		ug/L	11/11/10			
Trichloroethene	86			74-130		50	43.2		ug/L	11/11/10			
Trichlorofluoromethane	122			62-150		50	60.9		ug/L	11/11/10			
Vinyl chloride	106			55-141		50	52.8		ug/L	11/11/10			
Xylene (Total)	91			76-132		150	137		ug/L	11/11/10			

Type	Sample
LCS	507021

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MATRIX SPIKE SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28205
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc		Result		Dilution		% Recovery		QC Limits		Max	Analyzed Date		Qualifier(s)	
			MS	MSD	MS	MSD	MS	MSD	MS	MSD	%Recovery	RPD	RPD	MS	MSD	MS	MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	35.9	38.6	1	1	72	77	64-143	7	20	11/11/10	11/11/10		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.2	50.5	1	1	98	101	64-142	3	20	11/11/10	11/11/10		
1,1,2-Trichloroethane	ug/L	ND	50	50	46.5	49.4	1	1	93	99	71-143	6	20	11/11/10	11/11/10		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	51.2	51.5	1	1	102	103	70-130	0.6	20	11/11/10	11/11/10		
1,1-Dichloroethane	ug/L	ND	50	50	47.4	48.0	1	1	95	96	68-139	1	20	11/11/10	11/11/10		
1,1-Dichloroethene	ug/L	ND	50	50	51.8	52.6	1	1	104	105	55-140	2	20	11/11/10	11/11/10		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	41.3	40.1	1	1	83	80	28-140	3	20	11/11/10	11/11/10		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	42.9	46.5	1	1	86	93	39-140	8	20	11/11/10	11/11/10		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	48.4	50.0	1	1	97	100	67-134	3	20	11/11/10	11/11/10		
1,2-Dichlorobenzene	ug/L	ND	50	50	44.4	43.5	1	1	89	87	48-137	2	20	11/11/10	11/11/10		
1,2-Dichloroethane	ug/L	ND	50	50	46.5	47.4	1	1	93	95	63-148	2	20	11/11/10	11/11/10		
1,2-Dichloropropane	ug/L	ND	50	50	45.3	46.0	1	1	91	92	70-136	1	20	11/11/10	11/11/10		
1,3-Dichlorobenzene	ug/L	ND	50	50	41.7	40.5	1	1	83	81	40-143	3	20	11/11/10	11/11/10		
1,4-Dichlorobenzene	ug/L	ND	50	50	41.0	39.8	1	1	82	80	38-142	3	20	11/11/10	11/11/10		
2-Butanone (MEK)	ug/L	ND	250	250	242	252	1	1	97	101	62-132	4	20	11/11/10	11/11/10		
2-Hexanone	ug/L	ND	250	250	205	215	1	1	82	86	61-141	5	20	11/11/10	11/11/10		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	225	236	1	1	90	94	57-135	5	20	11/11/10	11/11/10		
Acetone	ug/L	ND	250	250	249	265	1	1	100	106	30-170	6	20	11/11/10	11/11/10		
Benzene	ug/L	ND	50	50	48.0	48.4	1	1	96	97	63-141	0.8	20	11/11/10	11/11/10		
Bromodichloromethane	ug/L	ND	50	50	42.4	44.3	1	1	85	89	63-135	5	20	11/11/10	11/11/10		
Bromoform	ug/L	ND	50	50	37.8	39.6	1	1	76	79	58-124	5	20	11/11/10	11/11/10		
Bromomethane	ug/L	ND	50	50	103	114	1	1	206	228	30-170	10	20	11/11/10	11/11/10	M0	M0
Carbon disulfide	ug/L	ND	100	100	90.9	92.3	1	1	91	92	46-162	2	20	11/11/10	11/11/10		
Carbon tetrachloride	ug/L	ND	50	50	30.2	33.0	1	1	60	66	54-145	9	20	11/11/10	11/11/10		
Chlorobenzene	ug/L	ND	50	50	45.3	45.0	1	1	91	90	56-133	0.7	20	11/11/10	11/11/10		
Chloroethane	ug/L	ND	50	50	64.7	65.9	1	1	129	132	54-157	2	20	11/11/10	11/11/10		
Chloroform	ug/L	ND	50	50	44.1	44.9	1	1	88	90	67-134	2	20	11/11/10	11/11/10		
Chloromethane	ug/L	ND	50	50	42.7	46.0	1	1	85	92	36-137	7	20	11/11/10	11/11/10		
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.8	52.5	1	1	104	105	65-132	1	20	11/11/10	11/11/10		

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MATRIX SPIKE SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28205
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	QC Limits RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	37.3	39.1	1	1	75	78	46-121	5	20	11/11/10	11/11/10		
Cyclohexane	ug/L	ND	50	50	ND	ND	1	1	86	87	39-167		20	11/11/10	11/11/10		
Dibromochloromethane	ug/L	ND	50	50	41.1	43.5	1	1	82	87	64-124	6	20	11/11/10	11/11/10		
Dichlorodifluoromethane	ug/L	ND	50	50	50.9	52.3	1	1	102	105	30-163	3	20	11/11/10	11/11/10		
Ethylbenzene	ug/L	ND	50	50	43.3	41.7	1	1	87	83	44-151	4	20	11/11/10	11/11/10		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	40.8	39.7	1	1	82	79	40-148	3	20	11/11/10	11/11/10		
Methyl acetate	ug/L	ND	50	50	90.3	95.4	1	1	181	191	40-182	5	20	11/11/10	11/11/10		M0
Methyl-tert-butyl ether	ug/L	ND	100	100	81.7	86.6	1	1	82	87	52-156	6	20	11/11/10	11/11/10		
Methylcyclohexane	ug/L	ND	50	50	ND	ND	1	1	83	83	44-158		20	11/11/10	11/11/10		
Methylene chloride	ug/L	ND	50	50	46.4	48.6	1	1	93	97	46-154	5	20	11/11/10	11/11/10		
Styrene	ug/L	ND	50	50	42.1	41.5	1	1	84	83	38-141	1	20	11/11/10	11/11/10		
Tetrachloroethene	ug/L	ND	50	50	40.3	38.9	1	1	81	78	25-146	4	20	11/11/10	11/11/10		
Toluene	ug/L	ND	50	50	48.0	47.5	1	1	96	95	59-142	1	20	11/11/10	11/11/10		
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.9	50.0	1	1	100	100	60-137	0.2	20	11/11/10	11/11/10		
trans-1,3-Dichloropropene	ug/L	ND	50	50	29.6	31.9	1	1	59	64	43-117	8	20	11/11/10	11/11/10		
Trichloroethene	ug/L	1.0J	50	50	45.5	45.1	1	1	89	88	61-137	0.8	20	11/11/10	11/11/10		
Trichlorofluoromethane	ug/L	ND	50	50	63.7	66.8	1	1	127	134	53-162	5	20	11/11/10	11/11/10		
Vinyl chloride	ug/L	ND	50	50	54.3	56.3	1	1	109	113	51-144	4	20	11/11/10	11/11/10		
Xylene (Total)	ug/L	ND	150	150	128	123	1	1	85	82	44-152	4	20	11/11/10	11/11/10		

Type	Sample	Client Sample ID
MS	507022	MW-0819-S2B(110110)
MSD	507023	MW-0819-S2B(110110)

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METHOD BLANK RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28206 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5043009015, 5043009016, 5043009017, 5043009018, 5043009019, 5043009020, 5043009021, 5043009022, 5043009023, 5043009024, 5043009025, 5043009026, 5043009027

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	11/12/10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	11/12/10	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	11/12/10	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	2.5	11/12/10	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	2.5	11/12/10	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	2.5	11/12/10	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	11/12/10	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	11/12/10	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.5	11/12/10	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	11/12/10	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	1.0	11/12/10	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	2.5	11/12/10	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	11/12/10	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	11/12/10	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	12.0	11/12/10	
591-78-6	2-Hexanone	ND	ug/L	25.0	12.0	11/12/10	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	11/12/10	
67-64-1	Acetone	ND	ug/L	100	50.0	11/12/10	
71-43-2	Benzene	ND	ug/L	5.0	1.0	11/12/10	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	2.5	11/12/10	
75-25-2	Bromoform	ND	ug/L	5.0	2.5	11/12/10	
74-83-9	Bromomethane	ND	ug/L	5.0	3.9	11/12/10	
75-15-0	Carbon disulfide	ND	ug/L	10.0	5.0	11/12/10	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	2.5	11/12/10	
108-90-7	Chlorobenzene	ND	ug/L	5.0	2.5	11/12/10	
75-00-3	Chloroethane	ND	ug/L	5.0	2.5	11/12/10	
67-66-3	Chloroform	ND	ug/L	5.0	2.5	11/12/10	
74-87-3	Chloromethane	ND	ug/L	5.0	2.5	11/12/10	

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METHOD BLANK RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28206 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5043009015, 5043009016, 5043009017, 5043009018, 5043009019, 5043009020, 5043009021, 5043009022, 5043009023, 5043009024, 5043009025, 5043009026, 5043009027

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	11/12/10	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	11/12/10	
110-82-7	Cyclohexane	ND	ug/L	100	50.0	11/12/10	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	2.5	11/12/10	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	2.5	11/12/10	
100-41-4	Ethylbenzene	ND	ug/L	5.0	2.5	11/12/10	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	11/12/10	
79-20-9	Methyl acetate	ND	ug/L	50.0		11/12/10	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	11/12/10	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		11/12/10	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.5	11/12/10	
100-42-5	Styrene	ND	ug/L	5.0	2.5	11/12/10	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.0	11/12/10	
108-88-3	Toluene	ND	ug/L	5.0	2.5	11/12/10	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	11/12/10	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	11/12/10	
79-01-6	Trichloroethene	ND	ug/L	5.0	1.0	11/12/10	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	2.5	11/12/10	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.0	11/12/10	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	5.0	11/12/10	

Type	Sample	Matrix
BLANK	507025	Water

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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(317)875-5894

SURROGATE RECOVERY SUMMARY

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV / 28206
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
507025	BLANK		1	94		97		100							
507026	LCS		1	91		101		100							
507027	MS		1	91		102		101							
507028	MSD		1	92		100		102							
5043009015		MW-0904-S2B(110110)	1	92		98		102							
5043009016		MW-0409-S2B(110110)	1	92		98		101							
5043009017		FD-1(110110)-SM	1	92		98		100							
5043009018		MW-0202-S2B(110110)	1	93		96		101							
5043009019		MW-0403-S2B(110110)	1	99		95		104							
5043009020		FD-2(110110)-SM	1	92		98		100							
5043009021		MW-0417-S3(110110)	1	93		96		102							
5043009022		MW-0904-S3(110110)	1	92		97		101							
5043009023	OQS	MW-0416-S2A(110110)	1	93		98		101							
5043009024		MW-0426-S2B(110110)	1	91		97		100							
5043009025		MW-0903-S3(110110)	1	94		96		100							
5043009026		MW-0202-S3(110110)	1	92		98		101							
5043009027		TB-1(110110)-SM	1	92		94		100							
		QC Limits:		70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

Date: 11/18/2010 08:50 AM

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LAB CONTROL SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28206 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	70			69-136		50	34.8		ug/L	11/12/10			
1,1,2,2-Tetrachloroethane	89			69-131		50	44.5		ug/L	11/12/10			
1,1,2-Trichloroethane	86			77-132		50	43.1		ug/L	11/12/10			
1,1,2-Trichlorotrifluoroethane	76			70-130		50	37.9		ug/L	11/12/10			
1,1-Dichloroethane	82			67-133		50	40.9		ug/L	11/12/10			
1,1-Dichloroethene	85			63-128		50	42.5		ug/L	11/12/10			
1,2,4-Trichlorobenzene	84			60-130		50	41.8		ug/L	11/12/10			
1,2-Dibromo-3-chloropropane	82			61-125		50	41.0		ug/L	11/12/10			
1,2-Dibromoethane (EDB)	89			75-126		50	44.4		ug/L	11/12/10			
1,2-Dichlorobenzene	91			76-124		50	45.7		ug/L	11/12/10			
1,2-Dichloroethane	85			69-139		50	42.3		ug/L	11/12/10			
1,2-Dichloropropane	83			76-129		50	41.4		ug/L	11/12/10			
1,3-Dichlorobenzene	90			76-125		50	44.8		ug/L	11/12/10			
1,4-Dichlorobenzene	87			75-122		50	43.7		ug/L	11/12/10			
2-Butanone (MEK)	76			47-189		250	190		ug/L	11/12/10			
2-Hexanone	72			57-167		250	180		ug/L	11/12/10			
4-Methyl-2-pentanone (MIBK)	76			61-135		250	190		ug/L	11/12/10			
Acetone	68			30-170		250	170		ug/L	11/12/10			
Benzene	87			78-127		50	43.4		ug/L	11/12/10			
Bromodichloromethane	80			69-133		50	40.0		ug/L	11/12/10			
Bromoform	77			60-127		50	38.5		ug/L	11/12/10			
Bromomethane	139			30-170		50	69.7		ug/L	11/12/10			
Carbon disulfide	74			58-152		100	74.0		ug/L	11/12/10			
Carbon tetrachloride	63			62-143		50	31.3		ug/L	11/12/10			
Chlorobenzene	88			75-123		50	44.0		ug/L	11/12/10			
Chloroethane	107			56-153		50	53.6		ug/L	11/12/10			
Chloroform	79			74-131		50	39.3		ug/L	11/12/10			
Chloromethane	75			35-147		50	37.3		ug/L	11/12/10			
cis-1,2-Dichloroethene	91			74-128		50	45.5		ug/L	11/12/10			

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LAB CONTROL SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28206
Method(s): EPA 8260

LCS Prepared:
LCSD Prepared:

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	69			58-123		50	34.7		ug/L	11/12/10			
Cyclohexane	70			63-134		50	ND		ug/L	11/12/10			
Dibromochloromethane	78			66-131		50	39.2		ug/L	11/12/10			
Dichlorodifluoromethane	109			30-170		50	54.6		ug/L	11/12/10			
Ethylbenzene	86			81-126		50	43.0		ug/L	11/12/10			
Isopropylbenzene (Cumene)	83			80-130		50	41.3		ug/L	11/12/10			
Methyl acetate	47			30-170		50	ND		ug/L	11/12/10			
Methyl-tert-butyl ether	77			66-147		100	76.7		ug/L	11/12/10			
Methylcyclohexane	71			65-135		50	ND		ug/L	11/12/10			
Methylene chloride	80			32-164		50	40.2		ug/L	11/12/10			
Styrene	85			74-128		50	42.5		ug/L	11/12/10			
Tetrachloroethene	76			60-119		50	37.8		ug/L	11/12/10			
Toluene	88			75-129		50	44.1		ug/L	11/12/10			
trans-1,2-Dichloroethene	88			71-126		50	43.9		ug/L	11/12/10			
trans-1,3-Dichloropropene	58			54-123		50	29.2		ug/L	11/12/10			
Trichloroethene	82			74-130		50	41.1		ug/L	11/12/10			
Trichlorofluoromethane	105			62-150		50	52.5		ug/L	11/12/10			
Vinyl chloride	94			55-141		50	46.9		ug/L	11/12/10			
Xylene (Total)	85			76-132		150	127		ug/L	11/12/10			

Type	Sample
LCS	507026

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MATRIX SPIKE SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28206
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	QC Limits RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	31.5	32.7	1	1	63	65	64-143	4	20	11/12/10	11/12/10		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.1	45.4	1	1	92	91	64-142	2	20	11/12/10	11/12/10		
1,1,2-Trichloroethane	ug/L	ND	50	50	44.9	44.4	1	1	90	89	71-143	1	20	11/12/10	11/12/10		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	47.8	47.1	1	1	96	94	70-130	1	20	11/12/10	11/12/10		
1,1-Dichloroethane	ug/L	ND	50	50	45.6	45.5	1	1	88	88	68-139	0.2	20	11/12/10	11/12/10		
1,1-Dichloroethene	ug/L	ND	50	50	46.8	45.3	1	1	94	91	55-140	3	20	11/12/10	11/12/10		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	16.1	17.5	1	1	32	35	28-140	8	20	11/12/10	11/12/10		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	40.1	41.4	1	1	80	83	39-140	3	20	11/12/10	11/12/10		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	44.0	43.9	1	1	88	88	67-134	0.2	20	11/12/10	11/12/10		
1,2-Dichlorobenzene	ug/L	ND	50	50	23.4	24.3	1	1	47	49	48-137	4	20	11/12/10	11/12/10		
1,2-Dichloroethane	ug/L	ND	50	50	44.4	44.0	1	1	89	88	63-148	0.9	20	11/12/10	11/12/10		
1,2-Dichloropropane	ug/L	ND	50	50	41.4	40.5	1	1	83	81	70-136	2	20	11/12/10	11/12/10		
1,3-Dichlorobenzene	ug/L	ND	50	50	18.9	19.9	1	1	38	40	40-143	5	20	11/12/10	11/12/10		
1,4-Dichlorobenzene	ug/L	ND	50	50	17.9	19.0	1	1	36	38	38-142	6	20	11/12/10	11/12/10		
2-Butanone (MEK)	ug/L	ND	250	250	243	240	1	1	97	96	62-132	1	20	11/12/10	11/12/10		
2-Hexanone	ug/L	ND	250	250	212	209	1	1	85	83	61-141	2	20	11/12/10	11/12/10		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	232	229	1	1	93	92	57-135	1	20	11/12/10	11/12/10		
Acetone	ug/L	ND	250	250	260	250	1	1	102	98	30-170	4	20	11/12/10	11/12/10		
Benzene	ug/L	ND	50	50	41.7	41.0	1	1	82	81	63-141	2	20	11/12/10	11/12/10		
Bromodichloromethane	ug/L	ND	50	50	38.2	38.4	1	1	76	77	63-135	0.5	20	11/12/10	11/12/10		
Bromoform	ug/L	ND	50	50	33.6	34.3	1	1	67	69	58-124	2	20	11/12/10	11/12/10		
Bromomethane	ug/L	ND	50	50	77.6	77.2	1	1	155	154	30-170	0.5	20	11/12/10	11/12/10		
Carbon disulfide	ug/L	ND	100	100	75.1	73.0	1	1	75	73	46-162	3	20	11/12/10	11/12/10		
Carbon tetrachloride	ug/L	ND	50	50	25.9	27.1	1	1	52	54	54-145	4	20	11/12/10	11/12/10	1d	
Chlorobenzene	ug/L	ND	50	50	29.7	29.9	1	1	59	60	56-133	0.8	20	11/12/10	11/12/10		
Chloroethane	ug/L	ND	50	50	58.8	57.8	1	1	118	116	54-157	2	20	11/12/10	11/12/10		
Chloroform	ug/L	ND	50	50	40.5	40.0	1	1	81	80	67-134	1	20	11/12/10	11/12/10		
Chloromethane	ug/L	ND	50	50	40.2	41.2	1	1	80	82	36-137	2	20	11/12/10	11/12/10		
cis-1,2-Dichloroethene	ug/L	ND	50	50	48.2	47.5	1	1	93	91	65-132	2	20	11/12/10	11/12/10		

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MATRIX SPIKE SAMPLE RESULTS

Project: E027025/Allison
Pace Project No.: 5043009

QB Batch: MSV/28206
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	QC Limits RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	29.6	30.4	1	1	59	61	46-121	3	20	11/12/10	11/12/10		
Cyclohexane	ug/L	ND	50	50	ND	ND	1	1	73	73	39-167		20	11/12/10	11/12/10		
Dibromochloromethane	ug/L	ND	50	50	36.3	37.1	1	1	73	74	64-124	2	20	11/12/10	11/12/10		
Dichlorodifluoromethane	ug/L	ND	50	50	49.5	49.7	1	1	99	99	30-163	0.4	20	11/12/10	11/12/10		
Ethylbenzene	ug/L	ND	50	50	24.4	24.7	1	1	49	49	44-151	1	20	11/12/10	11/12/10		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	19.8	20.6	1	1	40	41	40-148	4	20	11/12/10	11/12/10		
Methyl acetate	ug/L	ND	50	50	61.4	60.0	1	1	123	120	40-182	2	20	11/12/10	11/12/10		
Methyl-tert-butyl ether	ug/L	ND	100	100	82.3	83.2	1	1	82	83	52-156	1	20	11/12/10	11/12/10		
Methylcyclohexane	ug/L	ND	50	50	ND	ND	1	1	65	64	44-158		20	11/12/10	11/12/10		
Methylene chloride	ug/L	ND	50	50	43.0	42.9	1	1	86	86	46-154	0.1	20	11/12/10	11/12/10		
Styrene	ug/L	ND	50	50	23.9	23.9	1	1	48	48	38-141	0.3	20	11/12/10	11/12/10		
Tetrachloroethene	ug/L	ND	50	50	24.9	25.0	1	1	50	50	25-146	0.7	20	11/12/10	11/12/10		
Toluene	ug/L	ND	50	50	34.0	33.6	1	1	68	67	59-142	1	20	11/12/10	11/12/10		
trans-1,2-Dichloroethene	ug/L	ND	50	50	43.2	42.7	1	1	86	85	60-137	1	20	11/12/10	11/12/10		
trans-1,3-Dichloropropene	ug/L	ND	50	50	22.7	23.9	1	1	45	48	43-117	5	20	11/12/10	11/12/10		
Trichloroethene	ug/L	ND	50	50	34.7	34.1	1	1	69	68	61-137	2	20	11/12/10	11/12/10		
Trichlorofluoromethane	ug/L	ND	50	50	60.2	60.3	1	1	120	121	53-162	0.3	20	11/12/10	11/12/10		
Vinyl chloride	ug/L	5.8	50	50	55.7	54.4	1	1	100	97	51-144	2	20	11/12/10	11/12/10		
Xylene (Total)	ug/L	ND	150	150	70.3	71.6	1	1	47	48	44-152	2	20	11/12/10	11/12/10		

Type	Sample	Client Sample ID
MS	507027	MW-0416-S2A(110110)
MSD	507028	MW-0416-S2A(110110)

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INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV6.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: SV1116-10
Cal. std: SV1116-10

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/a000bfb.D	bfb 34C-117	L/	BFB	1	-bfb	11/05/10	11:20	jlf	
1/a001ccv.D	ccv 34C-050/113	L/	CCALIB_4	1	-A8260SL_A_B	11/05/10	11:57	jlf	↑VC, Hex, MP
1/a002lcs.D	lcs 34C-052	L/	LCS	1	-A8260SL_A_B	11/05/10	12:35	jlf	↑VC, Hex, MP
1/a003mb.D	mb 34B-008	L/	BLANK	1	-A8260SL_A_B	11/05/10	13:12	jlf	
1/a00a.D	bfb 34C-117	L/	BFB	1	-bfb	11/05/10	16:43	jlf	Clean Source / tune.
1/a00b.D	test2	L/	SAMPLE	1	-A8260SL_A_B	11/05/10	17:21	jlf	
1/a00bfb.D	bfb 34C-117	L/	BFB	1	-bfb	11/05/10	17:58	jlf	Curve
1/a01cal.D	1ppb 34C-142/143	L/	CALIB_1	1	-A8260SL_A_B	11/05/10	18:36	jlf	
1/a02cal.D	5ppb	L/	CALIB_2	1	-A8260SL_A_B	11/05/10	19:13	jlf	
1/a03cal.D	10ppb	L/	CALIB_3	1	-A8260SL_A_B	11/05/10	19:50	jlf	
1/a04cal-ccv.D	50ppb	L/	CCALIB_4	1	-A8260SL_A_B	11/05/10	20:28	jlf	4 ppb 8260 ccv - F/L
1/a04cal.D	50ppb	L/	CALIB_4	1	-A8260SL_A_B	11/05/10	20:28	jlf	
1/a05cal.D	100ppb	L/	CALIB_5	1	-A8260SL_A_B	11/05/10	21:05	jlf	
1/a06cal.D	150ppb	L/	CALIB_6	1	-A8260SL_A_B	11/05/10	21:43	jlf	
1/a07cal.D	200ppb	L/	CALIB_7	1	-A8260SL_A_B	11/05/10	22:20	jlf	
1/a08cal.D	300ppb	L/	CALIB_8	1	-A8260SL_A_B	11/05/10	22:58	jlf	
1/a09icv.D	icv 34C-141	L/	ICV	1	-A8260SL_A_B	11/05/10	23:35	jlf	F/L
1/a10.D	mb 34B-008	L/	SAMPLE	1	-A8260SL_A_B	11/06/10	00:12	jlf	
1/c00bfb.D	bfb 34C-117	L/	BFB	1	-bfb	11/06/10	00:50	jlf	
1/c01ccv.D	ccv	L/	CCALIB_4	1	-A8260SL_A_B	11/06/10	01:27	jlf	F/L
1/c02lcs.D	504567	L/	LCS	1	-A8260SL_A_B	11/06/10	02:05	jlf	
1/c03mb.D	504566	L/	BLANK	1	-A8260SL_A_B	11/06/10	02:42	jlf	
1/c04.D	5043094001	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	03:19	jlf	
1/c05.D	504564	S/	MS	1	-A8260SL_A_B	11/06/10	03:57	jlf	
1/c06.D	504565	S/	MSD	1	-A8260SL_A_B	11/06/10	04:34	jlf	
1/c07.D	5043094002	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	05:12	jlf	
1/c08.D	5043094003	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	05:49	jlf	
1/c09.D	5043094004	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	06:27	jlf	
1/c10.D	5043094005	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	07:04	jlf	
1/c11.D	5043094006	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	07:42	jlf	
1/c12.D	5043094007	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	08:19	jlf	
1/c13.D	5043094008	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	08:57	jlf	
1/c14.D	5043094009	S/	SAMPLE	1	-A8260SL_A_B	11/06/10	09:34	jlf	

28051

28052

File Path 1: \\50wintarget\chem\50MSV6.i\a110510.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:26 11/06/2010

All water samples have a pH below 2 unless otherwise noted

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV6.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal std: IC 11-10-10

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/a00bfb.D	bfb 34C-157	L/	BFB	1	-bfb	11/11/10	12:25	jlf	F/L
1/a01ccv.D	ccv 34C-142/159	L/	CCALIB_4	1	-A8260SL_A_B	11/11/10	13:02	jlf	
1/a02lcs.D	lcs 34C-141	L/	LCS	1	-A8260SL_A_B	11/11/10	13:40	jlf	
1/a03mb.D	mb 34B-008	L/	BLANK	1	-A8260SL_A_B	11/11/10	14:17	jlf	
1/a04.D	5043009013-lvl4tcl	L/28205	SAMPLE	1 (1VH4)	-A8260SL_A_B	11/11/10	14:55	jlf	APOE RR 50%
1/a05.D	5043009001	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	15:32	jlf	
1/a06.D	5043009002	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	16:09	jlf	
1/a07.D	5043009003	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	16:47	jlf	
1/a08.D	5043009004	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	17:24	jlf	
1/a09.D	5043009005	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	18:02	jlf	
1/a10.D	ms5043009005	L/	MS	1	-A8260SL_A_B	11/11/10	18:39	jlf	
1/a11.D	msd5043009005	L/	MSD	1	-A8260SL_A_B	11/11/10	19:17	jlf	
1/a12.D	5043009006	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	19:54	jlf	
1/a13.D	5043009007	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	20:32	jlf	
1/a14.D	5043009008	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	21:09	jlf	
1/a15.D	5043009009	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	21:46	jlf	
1/a16.D	5043009010	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	22:24	jlf	
1/a17.D	5043009011	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	23:01	jlf	
1/a18.D	5043009014	L/	SAMPLE	1	-A8260SL_A_B	11/11/10	23:39	jlf	
1/a19.D	5043009012	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	00:16	jlf	
1/c00bfb.D	bfb 34C-157	L/	BFB	1	-bfb	11/12/10	00:53	jlf	
1/c01ccv.D	ccv	L/	CCALIB_4	1	-A8260SL_A_B	11/12/10	01:31	jlf	VMBE - do to apt F/L now?
1/c02lcs.D	lcs	L/	LCS	1	-A8260SL_A_B	11/12/10	02:08	jlf	
1/c03mb.D	mb	L/	BLANK	1	-A8260SL_A_B	11/12/10	02:46	jlf	
1/c04.D	5043009015-lvl4tcl	L/28206	SAMPLE	1 (1VH4)	-A8260SL_A_B	11/12/10	03:23	jlf	
1/c05.D	5043009016	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	04:01	jlf	
1/c06.D	5043009017	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	04:38	jlf	
1/c07.D	5043009018	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	05:16	jlf	
1/c08.D	5043009020	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	05:53	jlf	
1/c09.D	5043009021	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	06:31	jlf	TCE+DCE RR 10%
1/c10.D	5043009022	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	07:08	jlf	
1/c11.D	5043009023	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	07:46	jlf	
1/c12.D	ms5043009023	L/	MS	1	-A8260SL_A_B	11/12/10	08:23	jlf	
1/c13.D	msd5043009023	L/	MSD	1	-A8260SL_A_B	11/12/10	09:01	jlf	

File Path 1: \\50wintarget\chem\50MSV6.i\a111110.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:00 11/12/2010

All water samples have a pH below 2 unless otherwise noted

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV6.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot:
Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/c14.D	5043009024	L/28206	SAMPLE	1 (10X)	-A8260SL_A_B	11/12/10	09:38	jlf	
1/c15.D	5043009025	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	10:16	jlf	
1/c16.D	5043009026	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	10:53	jlf	
1/c17.D	5043009027	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	11:31	jlf	
1/c18.D	5043009019	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	12:08	jlf	↑TCE+PCE RL 2SDL
1/c19.D (USW)	5043144011 ✓	L/28193	SAMPLE	5	-A8260SL_A_B	11/12/10	12:46	jlf	ACETONE (LOW BP)

File Path 1: \\50wintarget\chem\50MSV6.i\a111110.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:00 11/12/2010

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV6.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: Surr. ~~lot~~: SS 11-V510
Tune std: _____ Cal. ~~std~~:

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/a00bfb.D	bfb 34C-157	L/	BFB	1	-bfb	11/12/10	13:47	jlf	FIL
1/a01ccv.D	ccv 34C-142/159	L/	CCALIB_4	1	-A8260SL_A_B	11/12/10	14:25	jlf	
1/a02lcs.D	lcs 34C-141	L/	LCS	1	-A8260SL_A_B	11/12/10	15:02	jlf	
1/a03mb.D	mb 34B-008	L/	BLANK	1	-A8260SL_A_B	11/12/10	15:39	jlf	
1/a04.D (W)	r5043009019-1v14	L/28006	SAMPLE	250 (NH4)	-A8260SL_A_B	11/12/10	16:17	jlf	Apt TCE+PCE
1/a05.D	r5043009013	L/28005	SAMPLE	50	-A8260SL_A_B	11/12/10	16:55	jlf	
1/a06.D	r5043009021	L/28006	SAMPLE	10	-A8260SL_A_B	11/12/10	17:32	jlf	
1/a07.D	5043242009	L/28021	SAMPLE	1	-A8260SL_A_B	11/12/10	18:09	jlf	
1/a08.D	5043078007tb	L/	SAMPLE	1	-A8260SL_A_B	11/12/10	18:47	jlf	
1/a09.D (TC-)	5043078001	S/28022	SAMPLE	1	-A8260SL_A_B	11/12/10	19:24	jlf	TPCE RL250x
1/a10.D	5043078002	S/	SAMPLE	1	-A8260SL_A_B	11/12/10	20:02	jlf	
1/a11.D	5043078003	S/	SAMPLE	1	-A8260SL_A_B	11/12/10	20:39	jlf	TPCE RL200x
1/a12.D	5043078004	S/	SAMPLE	1	-A8260SL_A_B	11/12/10	21:17	jlf	
1/a13.D	5043078005	S/	SAMPLE	1	-A8260SL_A_B	11/12/10	21:54	jlf	TPCE RL 100x
1/a14.D	5043078006	S/	SAMPLE	1	-A8260SL_A_B	11/12/10	22:32	jlf	
1/a15.D (MSMS)	5043081007	L/28023	SAMPLE	1	-A8260SL_A_B	11/12/10	23:09	jlf	
1/a16.D	ms5043081007	L/	MS	1	-A8260SL_A_B	11/12/10	23:46	jlf	
1/a17.D	msd5043081007	L/	MSD	1	-A8260SL_A_B	11/13/10	00:24	jlf	
1/a18.D	5043204001	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	01:01	jlf	
1/a19.D	r5043204001	L/	SAMPLE	25	-A8260SL_A_B	11/13/10	01:39	jlf	Apt E+M.
1/c00bfb.D	bfb 34C-157	L/	BFB	1	-bfb	11/13/10	02:16	jlf	FIL
1/c01ccv.D	ccv	L/	CCALIB_4	1	-A8260SL_A_B	11/13/10	02:54	jlf	
1/c02lcs.D	lcs	L/	LCS	1	-A8260SL_A_B	11/13/10	03:31	jlf	
1/c03mb.D	mb	L/	BLANK	1	-A8260SL_A_B	11/13/10	04:09	jlf	
1/c04.D (MSMS)	5043076023	L/28024	SAMPLE	1	-A8260SL_A_B	11/13/10	04:46	jlf	
1/c05.D	5043076024 (DL)	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	05:23	jlf	CoBalt RL1x
1/c06.D	5043076025	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	06:01	jlf	
1/c07.D	5043076026	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	06:38	jlf	
1/c08.D	5043076003	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	07:16	jlf	
1/c09.D	5043076010	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	07:53	jlf	
1/c10.D	5043076007	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	08:31	jlf	
1/c11.D	5043238001	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	09:08	jlf	
1/c12.D	5043238002	L/	SAMPLE	1	-A8260SL_A_B	11/13/10	09:46	jlf	

File Path 1: \\50wintarget\chem\50MSV6.i\a111210.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:20 11/15/2010

All water samples have a pH below 2 unless otherwise noted

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Lab File ID (Standard): A01CCV Date Analyzed: 11/11/10

Instrument ID: 50MSV6 Time Analyzed: 1302

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	157497	7.27	79662	8.58	237364	4.32
	UPPER LIMIT	314994	7.77	159324	9.08	474728	4.82
	LOWER LIMIT	78749	6.77	39831	8.08	118682	3.82
	EPA SAMPLE NO.						
01	LCS	157274	7.27	80091	8.58	233212	4.32
02	MB	162851	7.27	90825	8.58	248064	4.32
03	5043009013	149896	7.27	84142	8.58	241852	4.32
04	5043009001	147618	7.27	85092	8.58	234270	4.32
05	5043009002	156300	7.27	88907	8.58	241175	4.32
06	5043009003	145645	7.27	84424	8.58	233228	4.32
07	5043009004	154156	7.27	88612	8.58	243693	4.32
08	5043009005	159682	7.27	90544	8.58	247540	4.32
09	MS5043009005	148159	7.27	75993	8.58	225571	4.32
10	MSD504300900	147713	7.27	76623	8.58	224301	4.32
11	5043009006	147176	7.27	85933	8.58	240467	4.32
12	5043009007	156768	7.27	88864	8.58	248617	4.32
13	5043009008	166629	7.27	91585	8.58	253904	4.32
14	5043009009	160501	7.27	88340	8.58	242070	4.32
15	5043009010	159589	7.27	87739	8.58	240767	4.32
16	5043009011	155094	7.27	85290	8.58	235840	4.32
17	5043009014	164509	7.27	91096	8.58	246516	4.32
18	5043009012	151634	7.27	83083	8.58	236563	4.32
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Lab File ID (Standard): C01CCV Date Analyzed: 11/12/10

Instrument ID: 50MSV6 Time Analyzed: 0131

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	160708	7.27	79771	8.58	236632	4.32
	UPPER LIMIT	321416	7.77	159542	9.08	473264	4.82
	LOWER LIMIT	80354	6.77	39886	8.08	118316	3.82
	EPA SAMPLE NO.						
01	LCS	168958	7.27	83243	8.58	245133	4.32
02	MB	169111	7.27	93884	8.58	253297	4.32
03	5043009015	150356	7.27	84075	8.59	238256	4.32
04	5043009016	148432	7.27	82647	8.58	233767	4.32
05	5043009017	149161	7.27	83013	8.58	229785	4.32
06	5043009018	159963	7.27	88491	8.58	241733	4.32
07	5043009020	162024	7.27	90574	8.58	248955	4.32
08	5043009021	150950	7.27	82410	8.58	236078	4.32
09	5043009022	142110	7.27	81336	8.58	227110	4.32
10	5043009023	148110	7.27	82829	8.58	229920	4.32
11	MS5043009023	145559	7.27	74740	8.58	219459	4.32
12	MSD504300902	147158	7.27	75827	8.58	222452	4.32
13	5043009024	156997	7.27	86752	8.58	234083	4.32
14	5043009025	154149	7.27	85393	8.58	234171	4.32
15	5043009026	154248	7.27	84736	8.58	235000	4.32
16	5043009027	157304	7.27	87330	8.58	237778	4.32
17	5043009019	172755	7.28	90305	8.58	259378	4.32
18	5043144011	156386	7.27	85337	8.58	234379	4.32
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111210.B

Lab File ID (Standard): A01CCV Date Analyzed: 11/12/10

Instrument ID: 50MSV6 Time Analyzed: 1425

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	150814	7.27	77535	8.58	221037	4.32
	UPPER LIMIT	301628	7.77	155070	9.08	442074	4.82
	LOWER LIMIT	75407	6.77	38768	8.08	110519	3.82
	EPA SAMPLE NO.						
01	LCS	156225	7.27	80180	8.58	226341	4.32
02	MB	158675	7.27	88284	8.58	236722	4.32
03	5043009019	148446	7.27	85247	8.58	234623	4.32
04	5043009013	147877	7.27	83331	8.58	227926	4.32
05	5043009021	147840	7.27	85004	8.58	229452	4.32
06	5043242009	142896	7.27	82540	8.58	220640	4.32
07	5043078007	150497	7.27	87791	8.58	233431	4.32
08	5043078001	139575	7.27	74889	8.58	219612	4.32
09	5043078002	132587	7.27	76519	8.58	204412	4.32
10	5043078003	140386	7.27	74086	8.58	228511	4.32
11	5043078004	139713	7.27	77008	8.58	210832	4.32
12	5043078005	138458	7.27	73420	8.58	216081	4.32
13	5043078006	147570	7.27	82775	8.58	219503	4.32
14	5043081007	142642	7.27	80850	8.58	222110	4.32
15	MS5043081007	135387	7.27	68837	8.59	201375	4.32
16	MSD504308100	138286	7.27	72531	8.58	204177	4.32
17	5043204001	170556	7.28	79183	8.58	224255	4.32
18	5043204001	160108	7.27	82023	8.58	233066	4.32
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Pace Analytical
www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Section 2: Initial Calibration Data

** Initial Calibration Summary Table*
** BFB Tune Information*
** Initial Calibration Standards*
** ICV Standard*

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: SO HSV-6 C-1 11510

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-NOV-2010 18:36
End Cal Date : 05-NOV-2010 22:58
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 11:50 jfislar

Calibration File Names:
Level 1: \\50wintarget\chem\50MSV6.i\a110510.b\a01cal.D
Level 2: \\50wintarget\chem\50MSV6.i\a110510.b\a02cal.D
Level 3: \\50wintarget\chem\50MSV6.i\a110510.b\a03cal.D
Level 4: \\50wintarget\chem\50MSV6.i\a110510.b\a04cal.D
Level 5: \\50wintarget\chem\50MSV6.i\a110510.b\a05cal.D
Level 6: \\50wintarget\chem\50MSV6.i\a110510.b\a06cal.D
Level 7: \\50wintarget\chem\50MSV6.i\a110510.b\a07cal.D
Level 8: \\50wintarget\chem\50MSV6.i\a110510.b\a08cal.D

All CCC < 30% RSD
(Do not use Nap. as Check list CCC)
JF 11-6-10

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
1 Dichlorodifluoromethane	1.02048	0.91780	1.05672	1.09805	0.95126	0.98955					
	1.11318	0.96464					AVRG		1.01396		6.97299
2 Chloromethane	0.98335	0.86143	0.85735	0.80928	0.77168	0.87450					
	1.00584	0.91197					AVRG		0.88442		9.06613
3 Vinyl Chloride	7648	17796	41642	197557	348973	534003					
	780937	1079572					LINR	0.01215	0.74480		0.99006

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-NOV-2010 18:36
End Cal Date : 05-NOV-2010 22:58
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
4 Bromomethane	3692 / 105666	10086 / 127637	16821	58012	81399	87863	QUAD	0.14446	-2.13848	26.28799	0.98710	
5 Chloroethane	0.25923 / +++++	0.22996 / +++++	0.25267	0.24527	0.17313	+++++	AVRG		0.23205		14.95117	1-150
6 Trichlorofluoromethane	0.92415 / 0.88517	0.95292 / +++++	1.07934	1.03131	0.84723	0.94473	AVRG		0.95212		8.44338	1-200
7 1,2-dichlorotrifluoroethane	0.96872 / +++++	0.72601 / +++++	0.70352	0.67886	0.71859	0.69819	AVRG		0.74898		14.54037	1-150
8 Diethyl ether	3196 / +++++	10482 / +++++	19298	83695	176097	241137	LINR	-0.02938	0.16418		0.99872	0300
18 2-methyl-2-propanol	3838 / 278498	11496 / 452613	20773	79450	169877	247063	LINR	-0.15784	0.14942		0.99621	
9 Acrolein	17745 / 1290406	37365 / +++++	84074	387465	660191	960004	LINR	-0.34899	0.06672		0.99748	20-4000

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 05-NOV-2010 22:58
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 11:50 jfislar

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
10 1,1,2trichlorotrifluoroethane	0.60537	0.67004	0.67120	0.62567	0.68246	0.65168					
	0.56658	0.57540					AVRG		0.63105		7.12314
11 1,1-Dichloroethene	+++++	0.64646	0.59978	0.58180	0.62919	0.59775					
	0.51245	+++++					AVRG		0.59457		7.82948
12 Acetone	7833	27352	47516	186511	415763	585118					
	658564	987893					LINR	-0.66061	0.13464		0.98856
143 Acetonitrile	1.11517	1.47557	1.34211	1.25051	1.39059	1.27101					
	1.08123	1.07402					AVRG		1.25003		11.98844
13 Iodomethane	4551	31495	69782	375110	826881	1119533					
	1257627	1966291					LINR	-0.18095	0.66524		0.99033
14 Carbon Disulfide	2.16058	2.00240	1.94425	1.81840	1.96688	1.80734					
	1.55999	1.50261					AVRG		1.84531		12.11171
16 Methyl Acetate	0.65695	0.67510	0.64676	0.58722	0.66211	0.59976					
	0.52366	0.53168					AVRG		0.61041		9.73545

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Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
15 allyl chloride	0.81898	0.73577	0.67366	0.62651	0.69530	0.63686					
	0.54181	0.50623					AVRG		0.65439		15.44053
17 Methylene Chloride	30564	44155	58780	191313	376358	515938					
	566322	941524					LINR	-0.21431	0.60380		0.99469
19 Acrylonitrile	0.34839	0.36688	0.36146	0.33684	0.36060	0.34444					
	0.30489	0.27506					AVRG		0.33732		9.44149
20 Methyl-tert-butyl ether	2.81477	2.74967	2.72957	2.67644	2.87969	2.75689					
	2.41168	2.26471					AVRG		2.66043		7.94405
21 1,2-Dichloroethene (trans)	1.08505	1.05802	1.07894	1.03634	1.11432	1.06680					
	0.92041	0.86884					AVRG		1.02859		8.43402
22 n-Hexane	1.37536	1.47386	1.55927	1.46230	1.57331	1.52637					
	1.29848	1.39956					AVRG		1.45856		6.56525
147 chloroprene	1.39423	1.50731	1.56386	1.50314	1.60257	1.56390					
	1.34392	1.40087					AVRG		1.48497		6.35374

Pace Analytical Services, Inc.

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Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
23 1,1-Dichloroethane	1.81125	1.87839	1.90997	1.82019	1.93848	1.87449					
	1.62803	1.64932					AVRG		1.81376		6.39793
24 Vinyl Acetate	1.24860	1.24304	1.21168	1.23484	1.28344	1.23927					
	1.03936	1.05712					AVRG		1.19467		7.75358
26 1,2-Dichloroethene (cis)	1.00179	1.16413	1.11280	1.07023	1.17430	1.15717					
	1.01544	1.04428					AVRG		1.09252		6.32303
27 2,2-Dichloropropane	1.33641	1.45388	1.45191	1.42202	1.51516	1.48957					
	1.29978	1.31388					AVRG		1.41033		5.87278
28 2-Butanone	0.55502	0.49140	0.48491	0.43816	0.47802	0.47019					
	0.42212	0.42438					AVRG		0.47053		9.28455
144 Methacrylonitrile	0.57490	0.59049	0.54557	0.49427	0.54279	0.53360					
	0.48709	0.50248					AVRG		0.53390		7.02516
30 Bromochloromethane	0.76203	0.81885	0.80158	0.76226	0.83610	0.81516					
	0.72348	0.74268					AVRG		0.78277		5.18288

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Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
31 Tetrahydrofuran	0.43139	0.38830	0.37977	0.35376	0.37941	0.37452					
	0.32612	0.33797					AVRG		0.37141		8.81731
32 Chloroform	2.10225	1.98808	1.92666	1.82062	1.98396	1.95169					
	1.71594	1.78370					AVRG		1.90911		6.62957
34 1,1,1-Trichloroethane	1.32117	1.49035	1.58740	1.52019	1.65688	1.65100					
	1.46299	1.52751					AVRG		1.52719		7.16213
35 Cyclohexane	14113	49390	97739	424314	905795	1296362					
	1448102	2437741					LINR	-0.05053	1.59985		0.99614
145 isopropyl acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
36 Carbon Tetrachloride	1.24379	1.26832	1.30500	1.28306	1.41196	1.41106					
	1.24783	1.30829					AVRG		1.30992		5.10878
37 1,1-Dichloropropene	1.37501	1.41917	1.48943	1.41556	1.54103	1.51303					
	1.31540	1.37381					AVRG		1.43030		5.44084

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Pace Analytical Services, Inc.

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Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzene	3.72688	4.13457	4.10785	3.85857	4.21942	4.16484					
	3.65792	3.85413					AVRG		3.96552		5.46233
141 2,2,4-Trimethylpentane	3.32267	3.82804	4.04002	3.83593	4.18297	4.16164					
	3.65766	3.74447					AVRG		3.84668		7.42409
40 1,2-Dichloroethane	1.15343	1.30202	1.29556	1.21176	1.32527	1.29147					
	1.13369	1.18739					AVRG		1.23757		6.04436
38 Isobutyl alcohol	0.09753	0.11745	0.12735	0.12133	0.13315	0.13076					
	0.11419	0.11691					AVRG		0.11983		9.45612
42 Trichloroethene	1.08003	1.16839	1.16355	1.07560	1.18387	1.16578					
	1.03850	1.08963					AVRG		1.12067		4.95021
43 Methylcyclohexane	11790	44848	81770	358226	762622	1091957					
	1233483	2048405					LINR	-0.05545	1.34741		0.99662
142 1,4-Dioxane	+++++	108	683	4336	10023	14461					
	16987	27560					LINR	0.02458	0.01848		0.99714

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
44 1,2-Dichloropropane	1.04420	1.03567	1.03411	0.98172	1.08793	1.08019					
	0.95647	1.01353					AVRG		1.02923		4.36519
45 Dibromomethane	0.65124	0.67386	0.65086	0.61884	0.68173	0.67180					
	0.60317	0.62492					AVRG		0.64705		4.43979
46 Methyl methacrylate	5954	18603	35267	153433	348316	507281					
	583983	1031471					LINR	0.02974	0.66938		0.99680
47 Bromodichloromethane	1.08696	1.24616	1.22918	1.23488	1.40450	1.40824					
	1.26468	1.33240					AVRG		1.27587		8.26387
48 2-Chloroethyl vinyl ether	3551	19575	41969	240848	562434	832467					
	959927	1591448					LINR	-0.01967	0.71023		0.99625
49 cis-1,3-Dichloropropene	2.30712	2.30577	2.37618	2.25088	2.40938	2.37221					
	2.04805	2.17307					AVRG		2.28033		5.29305
50 4-Methyl-2-Pentanone	1.31248	1.37386	1.39350	1.18213	1.22416	1.18562					
	1.03904	1.03857					AVRG		1.21867		11.20873

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
52 Toluene	32604	117925	231931	1006342	2216143	3175098					
	3592901	5977138					LINR	-0.07956	5.28342		0.99473
53 trans-1,3-Dichloropropene	1.98165	1.99697	2.04511	1.97439	2.11833	2.07213					
	1.81756	1.94741					AVRG		1.99419		4.56541
54 Ethyl Methacrylate	1.54303	1.62726	1.68623	1.46621	1.61859	1.60213					
	1.42236	1.59720					AVRG		1.57038		5.60410
55 1,1,2-Trichloroethane	1.25491	1.11369	1.05362	0.99991	1.05003	1.03785					
	0.91468	0.98381					AVRG		1.05106		9.60878
56 Tetrachloroethene	1.57626	1.90937	2.13579	1.60892	1.83750	1.73036					
	1.61411	1.60673					AVRG		1.75238		11.23456
57 1,3-Dichloropropane	2.11349	2.05781	2.05113	1.86806	2.03421	2.00487					
	1.76529	1.87614					AVRG		1.97137		6.10260
58 2-Hexanone	1.03293	0.98612	0.96947	0.79414	0.82972	0.81491					
	0.71039	0.74138					AVRG		0.85988		14.00620

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
59 Dibromochloromethane	1.18679	1.19925	1.21742	1.23862	1.41202	1.40859					
	1.25659	1.35273					AVRG		1.28400		7.24106
60 1,2-Dibromoethane	1.24640	1.27720	1.27538	1.18129	1.27352	1.26286					
	1.11242	1.18877					AVRG		1.22723		4.90517
62 Chlorobenzene	3.77929	3.82999	3.95395	3.65500	3.94066	3.84578					
	3.37632	3.48334					AVRG		3.73304		5.65404
63 1,1,1,2-Tetrachloroethane	1.19915	1.24476	1.27844	1.21750	1.30430	1.27576					
	1.11723	1.10741					AVRG		1.21807		6.04026
64 Ethylbenzene	2.10030	1.92404	1.96539	1.78819	1.95507	1.91863					
	1.66330	1.67378					AVRG		1.87359		8.13159
65 m&p-Xylene	2.72488	2.35906	2.43493	2.19942	2.38253	2.31620					
	2.02991	2.00066					AVRG		2.30595		10.12623
67 o-Xylene	2.85808	2.49504	2.51361	2.26162	2.40428	2.36202					
	2.06232	2.09760					AVRG		2.38182		10.70665

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
68 Styrene	4.26625	3.86970	3.95235	3.62632	4.02992	3.96373					
	3.46620	3.53366					AVRG		3.83852		7.13987
69 Bromoform	2397	12084	24694	126389	320934	492918					
	584286	1037597					LINR	0.07529	1.70454		0.99639
70 Isopropylbenzene	6.33250	6.30687	6.51967	6.01777	6.28468	6.20232					
	5.39029	5.37280					AVRG		6.05336		7.22625
74 Bromobenzene	2.41698	2.36397	2.42199	2.18689	2.45229	2.41422					
	2.14807	2.25532					AVRG		2.33247		5.08157
73 1,1,2,2-Tetrachloroethane	2.99463	3.05869	3.12748	3.00433	3.17726	3.12821					
	2.70406	2.82331					AVRG		3.00225		5.43484
75 1,2,3-Trichloropropane	3.19781	3.32278	3.31036	3.20260	3.40944	3.39401					
	3.02105	3.17650					AVRG		3.25432		3.98519
71 trans-1,4-Dichloro-2-butene	3227	6771	14141	58466	133475	196456					
	226313	392438					LINR	-0.01867	0.34289		0.99624

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
76 n-Propylbenzene	12.14878	12.80595	13.36337	12.85755	13.38945	12.97424					
	11.32823	11.47244					AVRG		12.54250		6.40723
77 2-Chlorotoluene	7.41908	7.75598	8.22670	8.06001	8.28295	8.05836					
	7.11639	7.29446					AVRG		7.77674		5.78194
78 1,3,5-Trimethylbenzene	9.05491	9.83894	10.12981	9.91071	10.09948	9.72993					
	8.46976	8.21069					AVRG		9.43053		7.99137
79 4-Chlorotoluene	2.51583	2.64319	2.71507	2.62541	2.73786	2.69635					
	2.37041	2.46563					AVRG		2.59622		5.08035
146 n-amyl acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
80 tert-Butylbenzene	10.03509	10.51016	10.87534	11.37787	11.55334	11.26732					
	9.73313	9.57607					AVRG		10.61604		7.26175
81 1,2,4-Trimethylbenzene	10.13527	9.99652	10.29286	9.89536	10.21826	9.86585					
	8.58893	8.32900					AVRG		9.66526		7.88691

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Pace Analytical Services, Inc.

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
82 sec-Butylbenzene	11.31440	12.55291	13.35956	13.08304	13.34706	12.94168					
	11.11894	10.73515					AVRG		12.30659		8.75306
83 1,3-Dichlorobenzene	5.48882	5.62643	5.61424	5.23159	5.58436	5.37167					
	4.75534	4.82754					AVRG		5.31250		6.56037
84 p-Isopropyltoluene	9.81309	10.46865	11.04749	10.62660	10.97280	10.52235					
	9.18553	8.68930					AVRG		10.16573		8.41721
86 1,4-Dichlorobenzene	5.89190	5.69133	5.64565	5.24297	5.65289	5.47172					
	4.85316	4.84730					AVRG		5.41212		7.27201
87 n-Butylbenzene	9.77452	9.94226	10.44941	9.72764	10.00917	9.43538					
	8.08575	7.68662					AVRG		9.38884		10.40247
88 1,2-Dichlorobenzene	5.46060	5.53823	5.50507	5.23195	5.41977	5.13315					
	4.51158	4.31261					AVRG		5.13912		9.18861
89 1,2-Dibromo-3-chloropropane	0.50655	0.51295	0.54776	0.56408	0.59692	0.60205					
	0.53559	0.56431					AVRG		0.55378		6.35610

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-NOV-2010 18:36
End Cal Date : 05-NOV-2010 22:58
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
90 1,2,4-Trichlorobenzene	4.99685	4.84451	4.80264	4.40427	4.52815	4.20532					
	3.68375	3.67696					AVRG		4.39281		11.56185
91 Hexachlorobutadiene	2.29054	2.52046	2.69591	2.50118	2.62747	2.54054					
	2.16685	2.27478					AVRG		2.45222		7.61374
92 Naphthalene	151496	237107	347715	1112386	2343054	3288788					
	3727529	5548184					LINR	-0.28146	9.31827		0.98684
93 1,2,3-Trichlorobenzene	4.58813	4.51263	4.48177	4.11834	4.17819	3.96830					
	3.47815	3.48831					AVRG		4.10173		10.66252
94 2,methyl-naphthalene	21357	79654	152790	631299	1385927	1973434					
	2252811	3480372					LINR	-0.14779	5.88832		0.99047
$ 33 Dibromofluoromethane (S)	0.25334	0.25784	0.25252	0.25756	0.26303	0.25791					
	0.26073	0.24772					AVRG		0.25633		1.91250
$ 51 Toluene-d8	1.40932	1.38826	1.40434	1.37268	1.34539	1.32800					
	1.31018	1.29751					AVRG		1.35696		3.16460

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-NOV-2010 18:36
End Cal Date : 05-NOV-2010 22:58
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 10:24 jfislar

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
$ 72 4-Bromofluorobenzene	0.49631	0.48075	0.48944	0.47299	0.48892	0.49872					
	0.50043	0.52051					AVRG		0.49351		2.89941

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-NOV-2010 18:36
End Cal Date : 05-NOV-2010 22:58
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Last Edit : 06-Nov-2010 10:24 jfislar

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a00bfb.D

Date : 05-NOV-2010 17:58

Client ID: bfb050

Instrument: 50MSV6.i

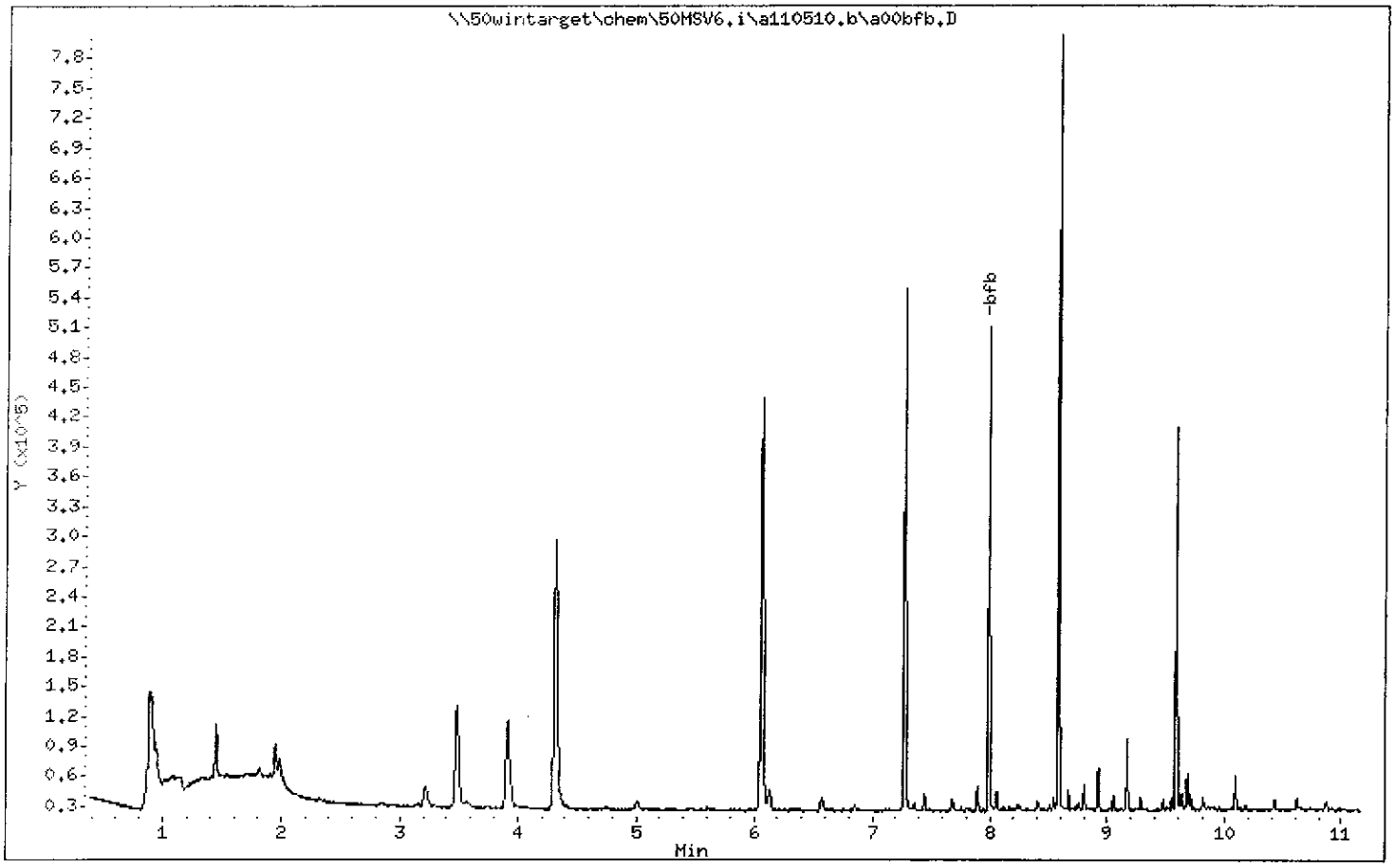
Sample Info: a00bfb 34C-117

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a00bfb.D

Date : 05-NOV-2010 17:58

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: a00bfb 34C-117

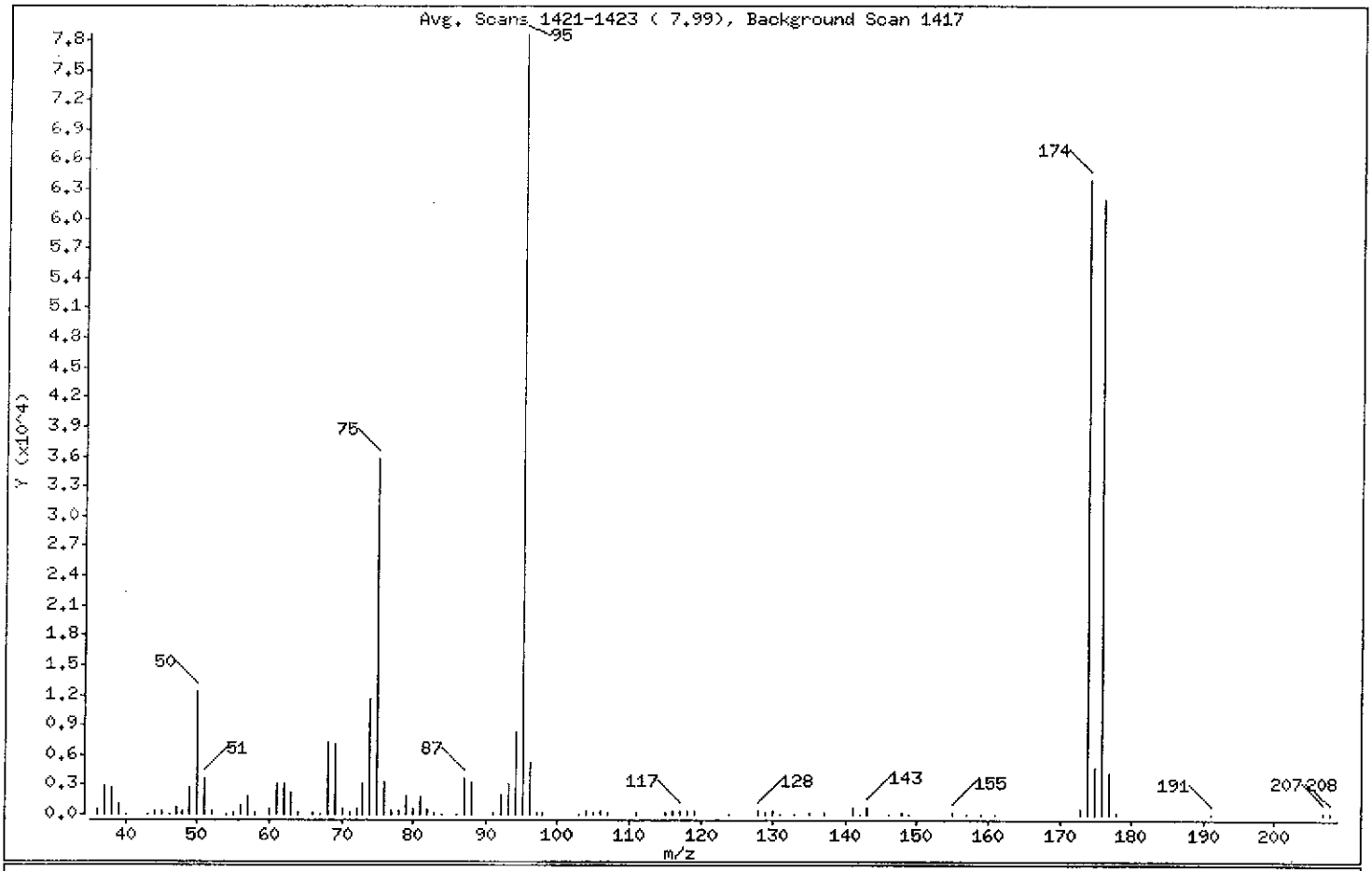
Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.66
75	30.00 - 60.00% of mass 95	45.61
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.62 (0.76)
174	50.00 - 100.00% of mass 95	81.27
175	5.00 - 9.00% of mass 174	5.88 (7.24)
176	95.00 - 101.00% of mass 174	78.94 (97.14)
177	5.00 - 9.00% of mass 176	5.34 (6.76)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a00bfb.D

Date : 05-NOV-2010 17:58

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: a00bfb 34C-117

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

Data File: a00bfb.D

Spectrum: Avg. Scans 1421-1423 (7.99), Background Scan 1417

Location of Maximum: 95.00

Number of points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	553	64.00	233	92.00	2075	135.00	157
37.00	2901	66.00	102	93.00	3135	137.00	122
38.00	2665	67.00	43	94.00	8394	141.00	682
39.00	1003	68.00	7285	95.00	78528	142.00	53
40.00	36	69.00	7008	96.00	5194	143.00	759
43.00	10	70.00	496	97.00	117	146.00	62
44.00	445	71.00	183	98.00	120	148.00	213
45.00	434	72.00	458	103.00	28	149.00	59
46.00	54	73.00	3026	104.00	370	155.00	146
47.00	804	74.00	11556	105.00	122	157.00	68
48.00	399	75.00	35816	106.00	382	159.00	52
49.00	2631	76.00	3271	107.00	170	161.00	69
50.00	12297	77.00	434	111.00	188	173.00	485
51.00	3661	78.00	335	115.00	214	174.00	63816
52.00	286	79.00	1764	116.00	274	175.00	4620
54.00	35	80.00	615	117.00	409	176.00	61992
55.00	105	81.00	1827	118.00	319	177.00	4192
56.00	959	82.00	460	119.00	291	178.00	101
57.00	1841	83.00	103	124.00	60	191.00	20
58.00	146	84.00	14	128.00	347	207.00	138
60.00	518	86.00	69	129.00	139	208.00	221
61.00	3068	87.00	3613	130.00	283		
62.00	2986	88.00	3267	131.00	74		
63.00	2228	91.00	205	133.00	55		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a01cal.D
Lab Smp Id: 1ppb 34C-142/143
Inj Date : 05-NOV-2010 18:36
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 1ppb 34C-142/143
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 18:36 Cal File: a01cal.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	11790	2.00000	2.01(T)
2 Chloromethane	50	1.039	1.034	(0.241)	11361	2.00000	2.22
3 Vinyl Chloride	62	1.087	1.087	(0.252)	7648	2.00000	2.38(Q)
4 Bromomethane	94	1.237	1.232	(0.286)	3692	2.00000	6.07
5 Chloroethane	64	1.290	1.285	(0.299)	2995	2.00000	2.23(M)
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	10677	2.00000	1.94
7 1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	5596	1.00000	1.29
8 Diethyl ether	74	1.536	1.537	(0.356)	3196	2.00000	1.90(Q)
18 2-methyl-2-propanol	59	2.013	2.013	(0.466)	3838	2.00000	(QM)
9 Acrolein	56	1.617	1.611	(0.374)	17745	20.0000	28.6
10 1,1,2trichlorotrifluoroethane	101	1.665	1.660	(0.386)	3497	1.00000	0.959
11 1,1-Dichloroethene	96	1.670	1.665	(0.387)	2819	1.00000	0.821(M)
12 Acetone	43	1.686	1.686	(0.391)	7833	5.00000	(M)
143 Acetonitrile	41	1.873	1.868	(0.434)	6442	1.00000	0.892(QM)
13 Iodomethane	142	1.761	1.756	(0.408)	4551	2.00000	
14 Carbon Disulfide	76	1.809	1.804	(0.419)	24962	2.00000	2.34
16 Methyl Acetate	43	1.863	1.857	(0.431)	3795	1.00000	1.08(QM)
15 allyl chloride	41	1.873	1.868	(0.434)	9462	2.00000	2.50(M)
17 Methylene Chloride	84	1.948	1.948	(0.451)	30564	1.00000	
19 Acrylonitrile	53	2.098	2.098	(0.486)	40251	20.0000	20.6
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	32520	2.00000	2.12
21 1,2-Dichloroethene (trans)	96	2.130	2.130	(0.493)	6268	1.00000	1.05
22 n-Hexane	57	2.317	2.318	(0.537)	7945	1.00000	0.943(QM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	147 chloroprene	53	2.505	2.505	(0.580)	8054	1.00000	0.939
	23 1,1-Dichloroethane	63	2.451	2.446	(0.568)	10463	1.00000	0.999
	24 Vinyl Acetate	43	2.446	2.441	(0.566)	28851	4.00000	4.18
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	5787	1.00000	0.917
	27 2,2-Dichloropropane	77	2.954	2.949	(0.684)	7720	1.00000	0.948
	28 2-Butanone	43	2.943	2.938	(0.682)	16031	5.00000	5.90
	144 Methacrylonitrile	41	3.152	3.147	(0.730)	3321	1.00000	1.08(QM)
	30 Bromochloromethane	49	3.184	3.184	(0.737)	4402	1.00000	0.974
	31 Tetrahydrofuran	42	3.564	3.569	(0.825)	2492	1.00000	1.16(M)
	32 Chloroform	83	3.296	3.297	(0.763)	12144	1.00000	1.10
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	73173	50.0000	49.4
	34 1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	7632	1.00000	0.865
	35 Cyclohexane	56	3.575	3.569	(0.828)	14113	1.00000	
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	7185	1.00000	0.950
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	7943	1.00000	0.961
	39 Benzene	78	3.933	3.933	(0.911)	21529	1.00000	0.940
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	19194	1.00000	0.864
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	6663	1.00000	0.932
	38 Isobutyl alcohol	43	4.110	4.099	(0.952)	2817	5.00000	4.07(M)
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	288834	50.0000	
	42 Trichloroethene	95	4.752	4.746	(1.100)	6239	1.00000	0.964
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	11790	1.00000	
	44 1,2-Dichloropropane	63	5.040	5.041	(1.167)	6032	1.00000	1.01
	45 Dibromomethane	93	5.131	5.132	(1.188)	3762	1.00000	1.01
	46 Methyl methacrylate	69	5.147	5.148	(1.192)	5954	1.00000	3.03(Q)
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	6279	1.00000	0.852(M)
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	3551	2.00000	0.390
	49 cis-1,3-Dichloropropene	75	5.805	5.806	(0.798)	8400	1.00000	1.01
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	23893	5.00000	5.38
$	51 Toluene-d8	98	6.062	6.062	(0.834)	256559	50.0000	51.9
	52 Toluene	91	6.132	6.132	(0.843)	32604	1.00000	
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	7215	1.00000	0.994
	54 Ethyl Methacrylate	69	6.474	6.469	(0.890)	5618	1.00000	0.982(M)
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	4569	1.00000	1.19
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	5739	1.00000	0.899
	57 1,3-Dichloropropane	76	6.694	6.699	(0.921)	7695	1.00000	1.07
	58 2-Hexanone	43	6.758	6.758	(0.929)	18804	5.00000	6.01
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	4321	1.00000	0.924
	60 1,2-Dibromoethane	107	6.940	6.940	(0.954)	4538	1.00000	1.02
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	182045	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	13760	1.00000	1.01
	63 1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	4366	1.00000	0.984
	64 Ethylbenzene	106	7.362	7.362	(1.013)	7647	1.00000	1.12
	65 m&p-Xylene	106	7.448	7.448	(1.024)	19842	2.00000	2.36
	67 o-Xylene	106	7.683	7.683	(1.057)	10406	1.00000	1.20
	68 Styrene	104	7.694	7.694	(1.058)	15533	1.00000	1.11
	69 Bromoform	173	7.801	7.801	(0.909)	2397	1.00000	4.42(M)
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	23056	1.00000	1.05
$	72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	90350	50.0000	50.3
	74 Bromobenzene	77	8.063	8.063	(1.109)	8800	1.00000	1.04
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	6367	1.00000	0.997
	75 1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	6799	1.00000	0.983
	71 trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	3227	1.00000	1.65(Q)
	76 n-Propylbenzene	91	8.122	8.122	(0.946)	25830	1.00000	0.969

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	15774	1.00000	0.954	
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	19252	1.00000	0.960	
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	5349	1.00000	0.969	
80	tert-Butylbenzene	119	8.373	8.379	(0.976)	21336	1.00000	0.945	
81	1,2,4-Trimethylbenzene	105	8.405	8.406	(0.979)	21549	1.00000	1.05	
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	24056	1.00000	0.919	
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	11670	1.00000	1.03	
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	20864	1.00000	0.965	
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	106307	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	12527	1.00000	1.09	
87	n-Butylbenzene	91	8.753	8.753	(1.020)	20782	1.00000	1.04	
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	11610	1.00000	1.06	
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	1077	1.00000	0.915	
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	10624	1.00000	1.14	
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	4870	1.00000	0.934	
92	Naphthalene	128	9.588	9.588	(1.117)	151496	1.00000		
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	9755	1.00000	1.12	
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	21357	1.00000		

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a01cal.D
Lab Smp Id: 1ppb 34C-142/143
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	288834	11.19
61 Chlorobenzene-d5	176241	88121	352482	182045	3.29
85 1,4-Dichlorobenze	89014	44507	178028	106307	19.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb 34C-142/143
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	2.01	
74-87-3	Chloromethane	2.22	
75-01-4	Vinyl Chloride	2.38	
74-83-9	Bromomethane	6.07	
75-00-3	Chloroethane	2.23	
75-69-4	Trichlorofluoromethane	1.94	
354-23-4	1,2-dichlorotrifluoroethane	1.29	
60-29-7	Diethyl ether	1.90	
75-65-0	2-methyl-2-propanol	0.000	
107-02-8	Acrolein	28.6	
76-13-1	1,1,2trichlorotrifluoroethan	0.959	
75-35-4	1,1-Dichloroethene	0.821	
67-64-1	Acetone	0.000	
75-05-8	Acetonitrile	0.892	
----------	Iodomethane	0.000	
75-15-0	Carbon Disulfide	2.34	
79-20-9	Methyl Acetate	1.08	
107-05-1	allyl chloride	2.50	
75-09-2	Methylene Chloride	0.000	
107-13-1	Acrylonitrile	20.6	
1634-04-4	Methyl-tert-butyl ether	2.12	
156-60-5	1,2-Dichloroethene (trans)	1.05	
----------	n-Hexane	0.943	
126-99-8	chloroprene	0.939	
75-34-3	1,1-Dichloroethane	0.999	
108-05-4	Vinyl Acetate	4.18	
156-59-2	1,2-Dichloroethene (cis)	0.917	
594-20-7	2,2-Dichloropropane	0.948	
78-93-3	2-Butanone	5.90	
126-98-7	Methacrylonitrile	1.08	
74-97-5	Bromochloromethane	0.974	
----------	Tetrahydrofuran	1.16	
67-66-3	Chloroform	1.10	
71-55-6	1,1,1-Trichloroethane	0.865	
110-82-7	Cyclohexane	0.000	
56-23-5	Carbon Tetrachloride	0.950	
563-58-6	1,1-Dichloropropene	0.961	
71-43-2	Benzene	0.940	
540-84-1	2,2,4-Trimethylpentane	0.864	
107-06-2	1,2-Dichloroethane	0.932	
78-83-1	Isobutyl alcohol	4.07	
79-01-6	Trichloroethene	0.964	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb 34C-142/143
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	0.000	
78-87-5	1,2-Dichloropropane	1.01	
74-95-3	Dibromomethane	1.01	
80-62-6	Methyl methacrylate	3.03	
75-27-4	Bromodichloromethane	0.852	
110-75-8	2-Chloroethyl vinyl ether	0.390	
10061-01-5	cis-1,3-Dichloropropene	1.01	
108-10-1	4-Methyl-2-Pentanone	5.38	
108-88-3	Toluene	0.000	
10061-02-6	trans-1,3-Dichloropropene	0.994	
----------	Ethyl Methacrylate	0.982	
79-00-5	1,1,2-Trichloroethane	1.19	
127-18-4	Tetrachloroethene	0.899	
142-28-9	1,3-Dichloropropane	1.07	
591-78-6	2-Hexanone	6.01	
124-48-1	Dibromochloromethane	0.924	
106-93-4	1,2-Dibromoethane	1.02	
108-90-7	Chlorobenzene	1.01	
630-20-6	1,1,1,2-Tetrachloroethane	0.984	
100-41-4	Ethylbenzene	1.12	
7816-60-0	m&p-Xylene	2.36	
95-47-6	o-Xylene	1.20	
100-42-5	Styrene	1.11	
75-25-2	Bromoform	4.42	
98-82-8	Isopropylbenzene	1.05	
108-86-1	Bromobenzene	1.04	
79-34-5	1,1,2,2-Tetrachloroethane	0.997	
96-18-4	1,2,3-Trichloropropane	0.983	
----------	trans-1,4-Dichloro-2-butene	1.65	
103-65-1	n-Propylbenzene	0.969	
95-49-8	2-Chlorotoluene	0.954	
108-67-8	1,3,5-Trimethylbenzene	0.960	
106-43-4	4-Chlorotoluene	0.969	
98-06-6	tert-Butylbenzene	0.945	
95-63-6	1,2,4-Trimethylbenzene	1.05	
135-98-8	sec-Butylbenzene	0.919	
541-73-1	1,3-Dichlorobenzene	1.03	
99-87-6	p-Isopropyltoluene	0.965	
106-46-7	1,4-Dichlorobenzene	1.09	
104-51-8	n-Butylbenzene	1.04	
95-50-1	1,2-Dichlorobenzene	1.06	
96-12-8	1,2-Dibromo-3-chloropropane	0.915	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb 34C-142/143
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

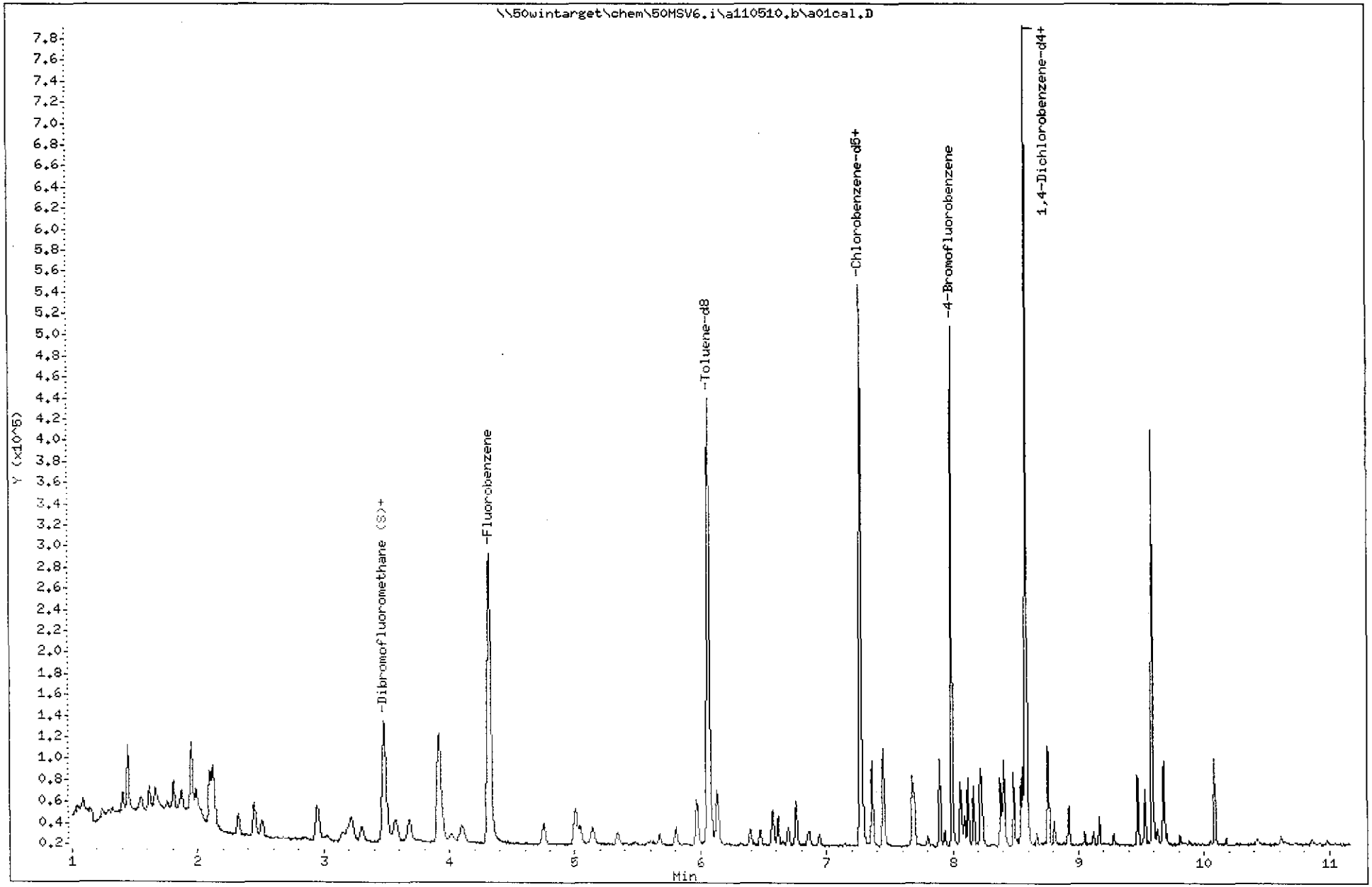
Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
120-82-1	1,2,4-Trichlorobenzene	1.14	
87-68-3	Hexachlorobutadiene	0.934	
91-20-3	Naphthalene	0.000	
87-61-6	1,2,3-Trichlorobenzene	1.12	
----------	2,methyl-naphthalene	0.000	
1868-53-7	Dibromofluoromethane (S)	49.4	
2037-26-5	Toluene-d8	51.9	
460-00-4	4-Bromofluorobenzene	50.3	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a01cal.D
Date : 05-NOV-2010 18:36
Client ID:
Sample Info: 1ppb 34C-142/143
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a02cal.D
Lab Smp Id: 5ppb
Inj Date : 05-NOV-2010 19:13
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 19:13 Cal File: a02cal.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	25220	5.00000	4.52
2	Chloromethane	50	1.039	1.034	(0.241)	23671	5.00000	4.87
3	Vinyl Chloride	62	1.087	1.087	(0.252)	17796	5.00000	4.96
4	Bromomethane	94	1.237	1.232	(0.287)	10086	5.00000	5.07
5	Chloroethane	64	1.290	1.285	(0.299)	6319	5.00000	4.95
6	Trichlorofluoromethane	101	1.408	1.403	(0.326)	26185	5.00000	5.00
7	1,2-dichlorotrifluoroethane	67	1.553	1.547	(0.360)	19950	5.00000	4.85
8	Diethyl ether	74	1.537	1.537	(0.356)	10482	10.0000	10.1(Q)
18	2-methyl-2-propanol	59	2.013	2.013	(0.466)	11496	10.0000	6.11(M)
9	Acrolein	56	1.617	1.611	(0.374)	37365	100.000	84.4
10	1,1,2trichlorotrifluoroethane	101	1.665	1.660	(0.386)	18412	5.00000	5.31
11	1,1-Dichloroethene	96	1.670	1.665	(0.387)	17764	5.00000	5.44(Q)
12	Acetone	43	1.686	1.686	(0.391)	27352	25.0000	3.93
143	Acetonitrile	41	1.874	1.868	(0.434)	40547	5.00000	5.90(QM)
13	Iodomethane	142	1.761	1.756	(0.408)	31495	10.0000	
14	Carbon Disulfide	76	1.809	1.804	(0.419)	110047	10.0000	10.8
16	Methyl Acetate	43	1.863	1.857	(0.431)	18551	5.00000	5.53(H)
15	allyl chloride	41	1.874	1.868	(0.434)	40436	10.0000	11.2(M)
17	Methylene Chloride	84	1.948	1.948	(0.451)	44155	5.00000	2.59
19	Acrylonitrile	53	2.098	2.098	(0.486)	201628	100.000	109
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	151115	10.0000	10.3
21	1,2-Dichloroethene (trans)	96	2.130	2.130	(0.493)	29073	5.00000	5.14
22	n-Hexane	57	2.318	2.318	(0.537)	40500	5.00000	5.05(Q)

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
147	chloroprene	53	2.505	2.505	(0.580)	41419	5.00000	5.08
23	1,1-Dichloroethane	63	2.451	2.446	(0.568)	51616	5.00000	5.18
24	Vinyl Acetate	43	2.446	2.441	(0.566)	136629	20.0000	20.8
26	1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	31989	5.00000	5.33
27	2,2-Dichloropropane	77	2.954	2.949	(0.684)	39951	5.00000	5.15
28	2-Butanone	43	2.943	2.938	(0.682)	67516	25.0000	26.1
144	Methacrylonitrile	41	3.147	3.147	(0.729)	16226	5.00000	5.53(Q)
30	Bromochloromethane	49	3.184	3.184	(0.737)	22501	5.00000	5.23
31	Tetrahydrofuran	42	3.569	3.569	(0.827)	10670	5.00000	5.23
32	Chloroform	83	3.302	3.297	(0.765)	54630	5.00000	5.21
$ 33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	70851	50.0000	50.3
34	1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	40953	5.00000	4.88
35	Cyclohexane	56	3.575	3.569	(0.828)	49390	5.00000	3.09
36	Carbon Tetrachloride	117	3.676	3.676	(0.851)	34852	5.00000	4.84
37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	38997	5.00000	4.96
39	Benzene	78	3.933	3.933	(0.911)	113613	5.00000	5.21
141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	105190	5.00000	4.98
40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	35778	5.00000	5.26
38	Isobutyl alcohol	43	4.099	4.099	(0.949)	16137	25.0000	24.5
* 41	Fluorobenzene	96	4.318	4.318	(1.000)	274788	50.0000	
42	Trichloroethene	95	4.752	4.746	(1.100)	32106	5.00000	5.21
43	Methylcyclohexane	55	5.003	5.003	(1.159)	44848	5.00000	3.28
142	1,4-Dioxane	88	5.132	5.142	(1.188)	108	5.00000	2.29(QM)
44	1,2-Dichloropropane	63	5.046	5.041	(1.168)	28459	5.00000	5.03
45	Dibromomethane	93	5.132	5.132	(1.188)	18517	5.00000	5.21
46	Methyl methacrylate	69	5.148	5.148	(1.192)	18603	5.00000	6.54(Q)
47	Bromodichloromethane	83	5.340	5.340	(1.237)	34243	5.00000	4.88
48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	19575	10.0000	6.62
49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	41799	5.00000	5.06
50	4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	124527	25.0000	28.2
$ 51	Toluene-d8	98	6.062	6.062	(0.834)	251664	50.0000	51.2
52	Toluene	91	6.132	6.132	(0.843)	117925	5.00000	2.18
53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	36201	5.00000	5.01
54	Ethyl Methacrylate	69	6.474	6.469	(0.890)	29499	5.00000	5.18
55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	20189	5.00000	5.30
56	Tetrachloroethene	166	6.613	6.613	(0.910)	34613	5.00000	5.45
57	1,3-Dichloropropane	76	6.694	6.699	(0.921)	37304	5.00000	5.22
58	2-Hexanone	43	6.758	6.758	(0.929)	89382	25.0000	28.7
59	Dibromochloromethane	129	6.865	6.865	(0.944)	21740	5.00000	4.67
60	1,2-Dibromoethane	107	6.940	6.940	(0.954)	23153	5.00000	5.20
* 61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	181280	50.0000	
62	Chlorobenzene	112	7.293	7.293	(1.003)	69430	5.00000	5.13
63	1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	22565	5.00000	5.11
64	Ethylbenzene	106	7.362	7.362	(1.013)	34879	5.00000	5.13
65	m&p-Xylene	106	7.448	7.448	(1.024)	85530	10.0000	10.2
67	o-Xylene	106	7.678	7.683	(1.056)	45230	5.00000	5.24
68	Styrene	104	7.694	7.694	(1.058)	70150	5.00000	5.04
69	Bromoform	173	7.801	7.801	(0.909)	12084	5.00000	7.29
70	Isopropylbenzene	105	7.897	7.897	(1.086)	114331	5.00000	5.21
$ 72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	87151	50.0000	48.7
74	Bromobenzene	77	8.063	8.063	(1.109)	42854	5.00000	5.07
73	1,1,2,2-Tetrachloroethane	83	8.069	8.074	(0.940)	30727	5.00000	5.09
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	33380	5.00000	5.10
71	trans-1,4-Dichloro-2 butene	53	8.090	8.090	(1.113)	6771	5.00000	4.51(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	128646	5.00000	5.10
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	77915	5.00000	4.99
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	98840	5.00000	5.22
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	26553	5.00000	5.09
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	105583	5.00000	4.95
81	1,2,4-Trimethylbenzene	105	8.406	8.406	(0.979)	100423	5.00000	5.17
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	126104	5.00000	5.10
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	56522	5.00000	5.30
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	105166	5.00000	5.15
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	100458	50.0000	
86	1,4-Dichlorobenzene	146	8.593	8.598	(1.001)	57174	5.00000	5.26
87	n-Butylbenzene	91	8.753	8.753	(1.020)	99878	5.00000	5.29
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	55636	5.00000	5.39
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	5153	5.00000	4.63
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	48667	5.00000	5.51
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	25320	5.00000	5.14
92	Naphthalene	128	9.588	9.588	(1.117)	237107	5.00000	
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	45333	5.00000	5.50
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	79654	5.00000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a02cal.D
Lab Smp Id: 5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	274788	5.79
61 Chlorobenzene-d5	176241	88121	352482	181280	2.86
85 1,4-Dichlorobenze	89014	44507	178028	100458	12.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 5ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	4.52	
74-87-3	Chloromethane	4.87	
75-01-4	Vinyl Chloride	4.96	
74-83-9	Bromomethane	5.07	
75-00-3	Chloroethane	4.95	
75-69-4	Trichlorofluoromethane	5.00	
354-23-4	1,2-dichlorotrifluoroethane	4.85	
60-29-7	Diethyl ether	10.1	
75-65-0	2-methyl-2-propanol	6.11	
107-02-8	Acrolein	84.4	
76-13-1	1,1,2trichlorotrifluoroethan	5.31	
75-35-4	1,1-Dichloroethene	5.44	
67-64-1	Acetone	3.93	
75-05-8	Acetonitrile	5.90	
----------	Iodomethane	0.000	
75-15-0	Carbon Disulfide	10.8	
79-20-9	Methyl Acetate	5.53	
107-05-1	allyl chloride	11.2	
75-09-2	Methylene Chloride	2.59	
107-13-1	Acrylonitrile	109	
1634-04-4	Methyl-tert-butyl ether	10.3	
156-60-5	1,2-Dichloroethene (trans)	5.14	
----------	n-Hexane	5.05	
126-99-8	chloroprene	5.08	
75-34-3	1,1-Dichloroethane	5.18	
108-05-4	Vinyl Acetate	20.8	
156-59-2	1,2-Dichloroethene (cis)	5.33	
594-20-7	2,2-Dichloropropane	5.15	
78-93-3	2-Butanone	26.1	
126-98-7	Methacrylonitrile	5.53	
74-97-5	Bromochloromethane	5.23	
----------	Tetrahydrofuran	5.23	
67-66-3	Chloroform	5.21	
71-55-6	1,1,1-Trichloroethane	4.88	
110-82-7	Cyclohexane	3.09	
56-23-5	Carbon Tetrachloride	4.84	
563-58-6	1,1-Dichloropropene	4.96	
71-43-2	Benzene	5.21	
540-84-1	2,2,4-Trimethylpentane	4.98	
107-06-2	1,2-Dichloroethane	5.26	
78-83-1	Isobutyl alcohol	24.5	
79-01-6	Trichloroethene	5.21	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 5ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	3.28	
----------	1,4-Dioxane	2.29	
78-87-5	1,2-Dichloropropane	5.03	
74-95-3	Dibromomethane	5.21	
80-62-6	Methyl methacrylate	6.54	
75-27-4	Bromodichloromethane	4.88	
110-75-8	2-Chloroethyl vinyl ether	6.62	
10061-01-5	cis-1,3-Dichloropropene	5.06	
108-10-1	4-Methyl-2-Pentanone	28.2	
108-88-3	Toluene	2.18	
10061-02-6	trans-1,3-Dichloropropene	5.01	
----------	Ethyl Methacrylate	5.18	
79-00-5	1,1,2-Trichloroethane	5.30	
127-18-4	Tetrachloroethene	5.45	
142-28-9	1,3-Dichloropropane	5.22	
591-78-6	2-Hexanone	28.7	
124-48-1	Dibromochloromethane	4.67	
106-93-4	1,2-Dibromoethane	5.20	
108-90-7	Chlorobenzene	5.13	
630-20-6	1,1,1,2-Tetrachloroethane	5.11	
100-41-4	Ethylbenzene	5.13	
7816-60-0	m&p-Xylene	10.2	
95-47-6	o-Xylene	5.24	
100-42-5	Styrene	5.04	
75-25-2	Bromoform	7.29	
98-82-8	Isopropylbenzene	5.21	
108-86-1	Bromobenzene	5.07	
79-34-5	1,1,2,2-Tetrachloroethane	5.09	
96-18-4	1,2,3-Trichloropropane	5.10	
----------	trans-1,4-Dichloro-2-butene	4.51	
103-65-1	n-Propylbenzene	5.10	
95-49-8	2-Chlorotoluene	4.99	
108-67-8	1,3,5-Trimethylbenzene	5.22	
106-43-4	4-Chlorotoluene	5.09	
98-06-6	tert-Butylbenzene	4.95	
95-63-6	1,2,4-Trimethylbenzene	5.17	
135-98-8	sec-Butylbenzene	5.10	
541-73-1	1,3-Dichlorobenzene	5.30	
99-87-6	p-Isopropyltoluene	5.15	
106-46-7	1,4-Dichlorobenzene	5.26	
104-51-8	n-Butylbenzene	5.29	
95-50-1	1,2-Dichlorobenzene	5.39	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

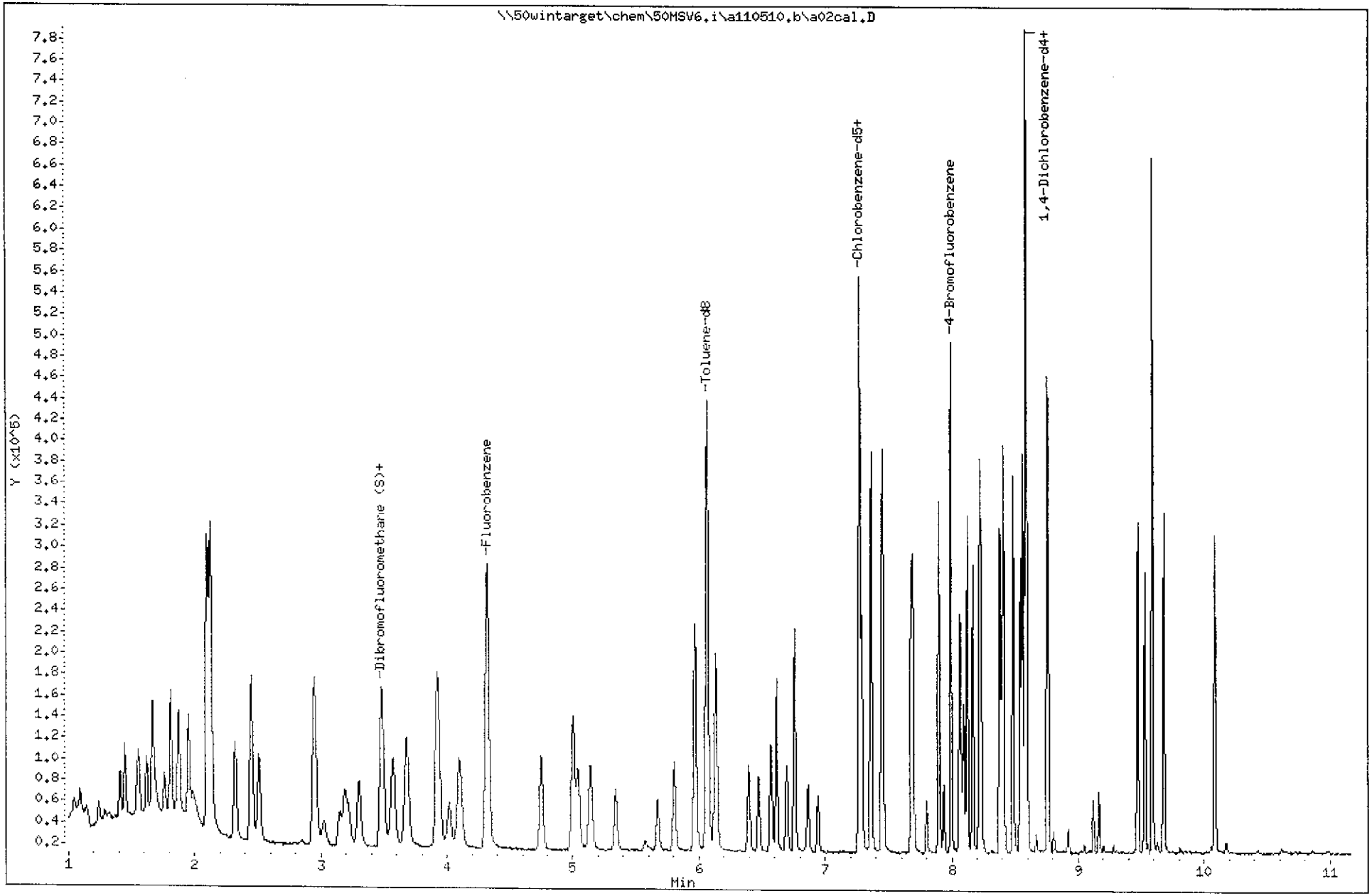
Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	4.63	
120-82-1	1,2,4-Trichlorobenzene	5.51	
87-68-3	Hexachlorobutadiene	5.14	
91-20-3	Naphthalene	0.000	
87-61-6	1,2,3-Trichlorobenzene	5.50	
----------	2,methyl-naphthalene	0.000	
1868-53-7	Dibromofluoromethane (S)	50.3	
2037-26-5	Toluene-d8	51.2	
460-00-4	4-Bromofluorobenzene	48.7	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a02cal.D
Date : 05-NOV-2010 19:13
Client ID:
Sample Info: 5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a03cal.D
Lab Smp Id: 10ppb
Inj Date : 05-NOV-2010 19:50
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 10ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 19:50 Cal File: a03cal.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	58299	10.0000	10.4
2 Chloromethane	50	1.039	1.034	(0.241)	47300	10.0000	9.69
3 Vinyl Chloride	62	1.087	1.087	(0.252)	41642	10.0000	10.7
4 Bromomethane	94	1.237	1.232	(0.286)	16821	10.0000	5.59
5 Chloroethane	64	1.285	1.285	(0.298)	13940	10.0000	10.9
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	59547	10.0000	11.3
7 1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	38813	10.0000	9.39
8 Diethyl ether	74	1.536	1.537	(0.356)	19298	20.0000	19.8
18 2-methyl-2-propanol	59	2.013	2.013	(0.466)	20773	20.0000	17.3(M)
9 Acrolein	56	1.617	1.611	(0.374)	84074	200.000	211
10 1,1,2trichlorotrifluoroethane	101	1.665	1.660	(0.386)	37030	10.0000	10.6
11 1,1-Dichloroethene	96	1.670	1.665	(0.387)	33090	10.0000	10.1
12 Acetone	43	1.686	1.686	(0.391)	47516	50.0000	30.9
143 Acetonitrile	41	1.873	1.868	(0.434)	74044	10.0000	10.7(M)
13 Iodomethane	142	1.761	1.756	(0.408)	69782	20.0000	9.96
14 Carbon Disulfide	76	1.809	1.804	(0.419)	214528	20.0000	21.1
16 Methyl Acetate	43	1.863	1.857	(0.431)	35682	10.0000	10.6(H)
15 allyl chloride	41	1.873	1.868	(0.434)	74332	20.0000	20.6(M)
17 Methylene Chloride	84	1.948	1.948	(0.451)	58780	10.0000	6.93
19 Acrylonitrile	53	2.098	2.098	(0.486)	398837	200.000	214
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	301181	20.0000	20.5
21 1,2-Dichloroethene (trans)	96	2.130	2.130	(0.493)	59525	10.0000	10.5
22 n-Hexane	57	2.317	2.318	(0.537)	86025	10.0000	10.7

			QUANT STG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	147	chloroprene	53	2.505	2.505	(0.580)	86278	10.0000	10.5
	23	1,1-Dichloroethane	63	2.451	2.446	(0.568)	105373	10.0000	10.5
	24	Vinyl Acetate	43	2.440	2.441	(0.565)	267393	40.0000	40.6
	26	1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	61393	10.0000	10.2
	27	2,2-Dichloropropane	77	2.949	2.949	(0.683)	80102	10.0000	10.3
	28	2-Butanone	43	2.938	2.938	(0.680)	133762	50.0000	51.5
	144	Methacrylonitrile	41	3.152	3.147	(0.730)	30099	10.0000	10.2
	30	Bromochloromethane	49	3.189	3.184	(0.739)	44223	10.0000	10.2
	31	Tetrahydrofuran	42	3.569	3.569	(0.827)	20952	10.0000	10.2
	32	Chloroform	83	3.302	3.297	(0.765)	106294	10.0000	10.1
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	69658	50.0000	49.2
	34	1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	87577	10.0000	10.4
	35	Cyclohexane	56	3.569	3.569	(0.827)	97739	10.0000	8.55
	36	Carbon Tetrachloride	117	3.676	3.676	(0.851)	71997	10.0000	9.96
	37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	82172	10.0000	10.4
	39	Benzene	78	3.933	3.933	(0.911)	226630	10.0000	10.4
	141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	222888	10.0000	10.5
	40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	71476	10.0000	10.5
	38	Isobutyl alcohol	43	4.099	4.099	(0.949)	35129	50.0000	53.1
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	275850	50.0000	
	42	Trichloroethene	95	4.746	4.746	(1.099)	64193	10.0000	10.4
	43	Methylcyclohexane	55	5.003	5.003	(1.159)	81770	10.0000	8.23
	142	1,4-Dioxane	88	5.142	5.142	(1.191)	683	10.0000	7.93(QM)
	44	1,2-Dichloropropane	63	5.040	5.041	(1.167)	57052	10.0000	10.0
	45	Dibromomethane	93	5.131	5.132	(1.188)	35908	10.0000	10.0
	46	Methyl methacrylate	69	5.147	5.148	(1.192)	35267	10.0000	11.0
	47	Bromodichloromethane	83	5.340	5.340	(1.237)	67814	10.0000	9.63
	48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	41969	20.0000	15.3
	49	cis-1,3-Dichloropropene	75	5.805	5.806	(0.798)	86054	10.0000	10.4
	50	4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	252329	50.0000	57.2
$	51	Toluene-d8	98	6.062	6.062	(0.834)	254292	50.0000	51.7
	52	Toluene	91	6.132	6.132	(0.843)	231931	10.0000	8.14
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	74064	10.0000	10.2
	54	Ethyl Methacrylate	69	6.469	6.469	(0.890)	61067	10.0000	10.7
	55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	38157	10.0000	10.0
	56	Tetrachloroethene	166	6.613	6.613	(0.910)	77348	10.0000	12.2
	57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	74282	10.0000	10.4
	58	2-Hexanone	43	6.758	6.758	(0.929)	175548	50.0000	56.4
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	44089	10.0000	9.48
	60	1,2-Dibromoethane	107	6.940	6.940	(0.954)	46188	10.0000	10.4
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	181076	50.0000	
	62	Chlorobenzene	112	7.287	7.293	(1.002)	143193	10.0000	10.6
	63	1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	46299	10.0000	10.5
	64	Ethylbenzene	106	7.362	7.362	(1.013)	71177	10.0000	10.5
	65	m&p-Xylene	106	7.448	7.448	(1.024)	176363	20.0000	21.1
	67	o-Xylene	106	7.683	7.683	(1.057)	91031	10.0000	10.6
	68	Styrene	104	7.694	7.694	(1.058)	143135	10.0000	10.3
	69	Bromoform	173	7.801	7.801	(0.909)	24694	10.0000	11.1
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	236111	10.0000	10.8
$	72	4-Bromofluorobenzene	95	7.993	7.994	(1.099)	88626	50.0000	49.6
	74	Bromobenzene	77	8.063	8.063	(1.109)	87713	10.0000	10.4
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	61532	10.0000	10.4
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	65130	10.0000	10.2
	71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	14141	10.0000	10.4(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	262919	10.0000	10.6
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	161857	10.0000	10.6
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	199300	10.0000	10.7
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	53418	10.0000	10.4
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	213968	10.0000	10.2
81	1,2,4-Trimethylbenzene	105	8.405	8.406	(0.979)	202508	10.0000	10.6
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	262844	10.0000	10.8
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	110458	10.0000	10.6
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	217355	10.0000	10.9
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	98373	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	111076	10.0000	10.4
87	n-Butylbenzene	91	8.753	8.753	(1.020)	205588	10.0000	11.1
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	108310	10.0000	10.7
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	10777	10.0000	9.89
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	94490	10.0000	10.9
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	53041	10.0000	11.0
92	Naphthalene	128	9.588	9.588	(1.117)	347715	10.0000	4.89
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	88177	10.0000	10.9
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	152790	10.0000	5.80

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a03cal.D
Lab Smp Id: 10ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	275850	6.19
61 Chlorobenzene-d5	176241	88121	352482	181076	2.74
85 1,4-Dichlorobenze	89014	44507	178028	98373	10.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	10.4	
74-87-3	Chloromethane	9.69	
75-01-4	Vinyl Chloride	10.7	
74-83-9	Bromomethane	5.59	
75-00-3	Chloroethane	10.9	
75-69-4	Trichlorofluoromethane	11.3	
354-23-4	1,2-dichlorotrifluoroethane	9.39	
60-29-7	Diethyl ether	19.8	
75-65-0	2-methyl-2-propanol	17.3	
107-02-8	Acrolein	211	
76-13-1	1,1,2trichlorotrifluoroethan	10.6	
75-35-4	1,1-Dichloroethene	10.1	
67-64-1	Acetone	30.9	
75-05-8	Acetonitrile	10.7	
----------	Iodomethane	9.96	
75-15-0	Carbon Disulfide	21.1	
79-20-9	Methyl Acetate	10.6	
107-05-1	allyl chloride	20.6	
75-09-2	Methylene Chloride	6.93	
107-13-1	Acrylonitrile	214	
1634-04-4	Methyl-tert-butyl ether	20.5	
156-60-5	1,2-Dichloroethene (trans)	10.5	
----------	n-Hexane	10.7	
126-99-8	chloroprene	10.5	
75-34-3	1,1-Dichloroethane	10.5	
108-05-4	Vinyl Acetate	40.6	
156-59-2	1,2-Dichloroethene (cis)	10.2	
594-20-7	2,2-Dichloropropane	10.3	
78-93-3	2-Butanone	51.5	
126-98-7	Methacrylonitrile	10.2	
74-97-5	Bromochloromethane	10.2	
----------	Tetrahydrofuran	10.2	
67-66-3	Chloroform	10.1	
71-55-6	1,1,1-Trichloroethane	10.4	
110-82-7	Cyclohexane	8.55	
56-23-5	Carbon Tetrachloride	9.96	
563-58-6	1,1-Dichloropropene	10.4	
71-43-2	Benzene	10.4	
540-84-1	2,2,4-Trimethylpentane	10.5	
107-06-2	1,2-Dichloroethane	10.5	
78-83-1	Isobutyl alcohol	53.1	
79-01-6	Trichloroethene	10.4	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 10ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	8.23	
----------	1,4-Dioxane	7.93	
78-87-5	1,2-Dichloropropane	10.0	
74-95-3	Dibromomethane	10.0	
80-62-6	Methyl methacrylate	11.0	
75-27-4	Bromodichloromethane	9.63	
110-75-8	2-Chloroethyl vinyl ether	15.3	
10061-01-5	cis-1,3-Dichloropropene	10.4	
108-10-1	4-Methyl-2-Pentanone	57.2	
108-88-3	Toluene	8.14	
10061-02-6	trans-1,3-Dichloropropene	10.2	
----------	Ethyl Methacrylate	10.7	
79-00-5	1,1,2-Trichloroethane	10.0	
127-18-4	Tetrachloroethene	12.2	
142-28-9	1,3-Dichloropropane	10.4	
591-78-6	2-Hexanone	56.4	
124-48-1	Dibromochloromethane	9.48	
106-93-4	1,2-Dibromoethane	10.4	
108-90-7	Chlorobenzene	10.6	
630-20-6	1,1,1,2-Tetrachloroethane	10.5	
100-41-4	Ethylbenzene	10.5	
7816-60-0	m&p-Xylene	21.1	
95-47-6	o-Xylene	10.6	
100-42-5	Styrene	10.3	
75-25-2	Bromoform	11.1	
98-82-8	Isopropylbenzene	10.8	
108-86-1	Bromobenzene	10.4	
79-34-5	1,1,2,2-Tetrachloroethane	10.4	
96-18-4	1,2,3-Trichloropropane	10.2	
----------	trans-1,4-Dichloro-2-butene	10.4	
103-65-1	n-Propylbenzene	10.6	
95-49-8	2-Chlorotoluene	10.6	
108-67-8	1,3,5-Trimethylbenzene	10.7	
106-43-4	4-Chlorotoluene	10.4	
98-06-6	tert-Butylbenzene	10.2	
95-63-6	1,2,4-Trimethylbenzene	10.6	
135-98-8	sec-Butylbenzene	10.8	
541-73-1	1,3-Dichlorobenzene	10.6	
99-87-6	p-Isopropyltoluene	10.9	
106-46-7	1,4-Dichlorobenzene	10.4	
104-51-8	n-Butylbenzene	11.1	
95-50-1	1,2-Dichlorobenzene	10.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

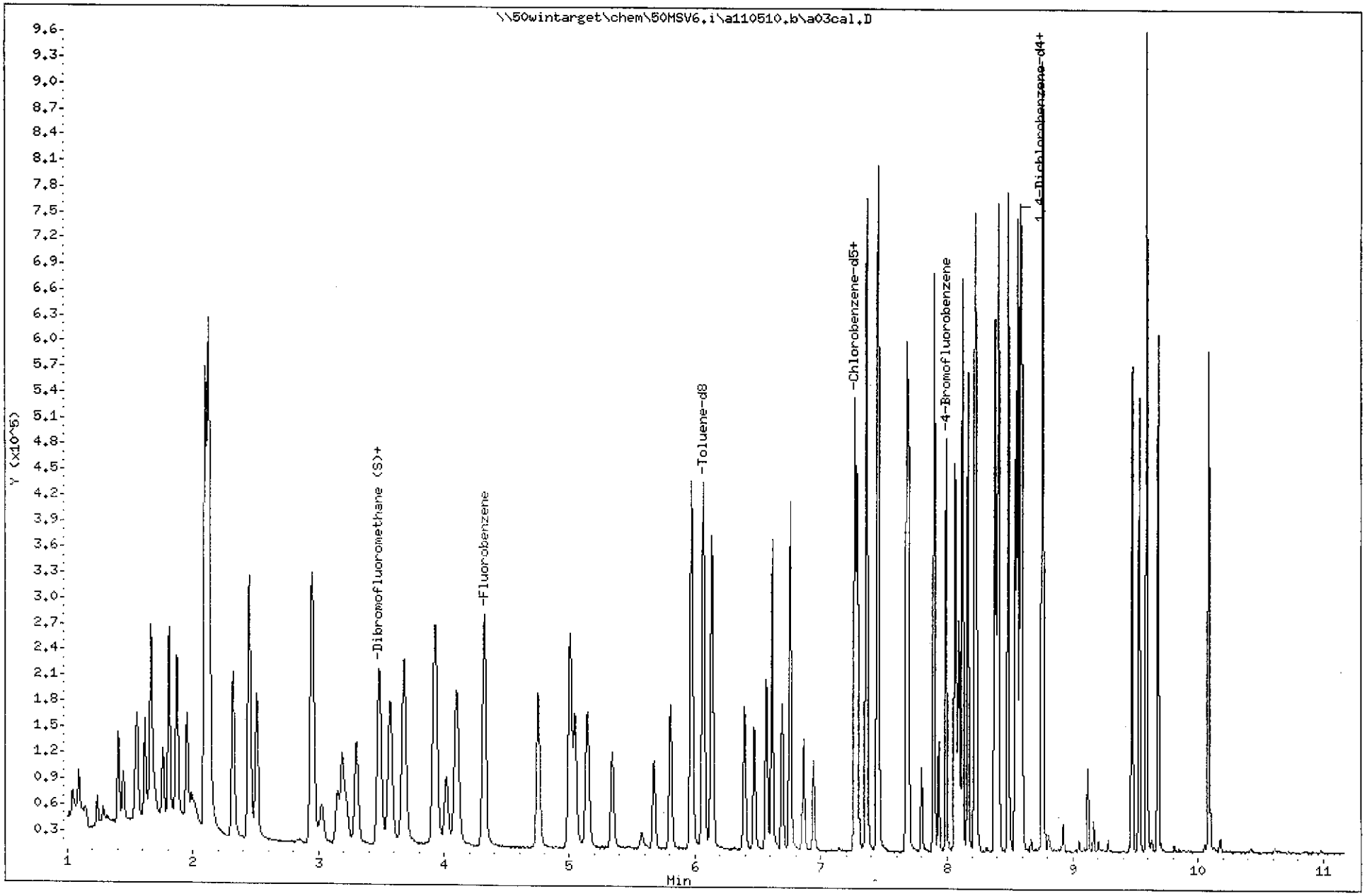
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	9.89	
120-82-1	1,2,4-Trichlorobenzene	10.9	
87-68-3	Hexachlorobutadiene	11.0	
91-20-3	Naphthalene	4.89	
87-61-6	1,2,3-Trichlorobenzene	10.9	
----------	2,methyl-naphthalene	5.80	
1868-53-7	Dibromofluoromethane (S)	49.2	
2037-26-5	Toluene-d8	51.7	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a03cal.D
Date : 05-NOV-2010 19:50
Client ID:
Sample Info: 10ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a04cal-ccv.D
Lab Smp Id: 50ppb Client Smp ID: ccv
Inj Date : 05-NOV-2010 20:28
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 20:28 Cal File: a04cal.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

MIDPT A8CCC
SCV 11-6-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	285226	50.0000	54.1
2 Chloromethane	50	1.039	1.034	(0.241)	210217	50.0000	45.8
3 Vinyl Chloride	62	1.087	1.087	(0.252)	197557	50.0000	51.7
4 Bromomethane	94	1.231	1.232	(0.285)	58012	50.0000	48.9
5 Chloroethane	64	1.285	1.285	(0.298)	63711	50.0000	52.8
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	267890	50.0000	54.2
7 1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	176340	50.0000	45.3
8 Diethyl ether	74	1.536	1.537	(0.356)	83695	100.000	96.6
18 2-methyl-2-propanol	59	2.013	2.013	(0.466)	79450	100.000	94.4(M)
9 Acrolein	56	1.611	1.611	(0.373)	387465	1000.00	1100
10 1,1,2trichlorotrifluoroethane	101	1.659	1.660	(0.384)	162522	50.0000	49.6
11 1,1-Dichloroethene	96	1.665	1.665	(0.386)	151127	50.0000	48.9
12 Acetone	43	1.686	1.686	(0.391)	186511	250.000	234
143 Acetonitrile	41	1.868	1.868	(0.433)	324830	50.0000	50.0(M)
13 Iodomethane	142	1.761	1.756	(0.408)	375110	100.000	99.5
14 Carbon Disulfide	76	1.804	1.804	(0.418)	944686	100.000	98.5
16 Methyl Acetate	43	1.863	1.857	(0.431)	152535	50.0000	48.1(H)
15 allyl chloride	41	1.868	1.868	(0.433)	325480	100.000	95.7(M)
17 Methylene Chloride	84	1.948	1.948	(0.451)	191313	50.0000	50.3
19 Acrylonitrile	53	2.098	2.098	(0.486)	1749919	1000.00	998
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1390456	100.000	101
21 1,2-Dichloroethene (trans)	96	2.130	2.130	(0.493)	269198	50.0000	50.4
22 n-Hexane	57	2.317	2.318	(0.537)	379843	50.0000	50.1

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	147	chloroprene	53	2.505	2.505	(0.580)	390452	50.0000	50.6
	23	1,1-Dichloroethane	63	2.446	2.446	(0.566)	472810	50.0000	50.2
	24	Vinyl Acetate	43	2.440	2.441	(0.565)	1283038	200.000	207
	26	1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	278002	50.0000	49.0
	27	2,2-Dichloropropane	77	2.954	2.949	(0.684)	369381	50.0000	50.4
	28	2-Butanone	43	2.938	2.938	(0.680)	569078	250.000	233
	144	Methacrylonitrile	41	3.152	3.147	(0.730)	128391	50.0000	46.3
	30	Bromochloromethane	49	3.184	3.184	(0.737)	198004	50.0000	48.7
	31	Tetrahydrofuran	42	3.569	3.569	(0.827)	91892	50.0000	47.6
	32	Chloroform	83	3.302	3.297	(0.765)	472921	50.0000	47.7
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	66902	50.0000	50.2
	34	1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	394881	50.0000	49.8
	35	Cyclohexane	56	3.569	3.569	(0.827)	424314	50.0000	48.5
	36	Carbon Tetrachloride	117	3.676	3.676	(0.851)	333285	50.0000	49.0
	37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	367704	50.0000	49.5
	39	Benzene	78	3.933	3.933	(0.911)	1002294	50.0000	48.6
	141	2,2,4 Trimethylpentane	57	4.099	4.099	(0.949)	996413	50.0000	49.9
	40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	314764	50.0000	49.0
	38	Isobutyl alcohol	43	4.099	4.099	(0.949)	157581	250.000	253
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	259758	50.0000	
	42	Trichloroethene	95	4.746	4.746	(1.099)	279397	50.0000	48.0
	43	Methylcyclohexane	55	5.003	5.003	(1.159)	358226	50.0000	48.4
	142	1,4-Dioxane	88	5.142	5.142	(1.191)	4336	50.0000	46.4
	44	1,2-Dichloropropane	63	5.040	5.041	(1.167)	255010	50.0000	47.7
	45	Dibromomethane	93	5.131	5.132	(1.188)	160749	50.0000	47.8
	46	Methyl methacrylate	69	5.147	5.148	(1.192)	153433	50.0000	45.6
	47	Bromodichloromethane	83	5.340	5.340	(1.237)	320769	50.0000	48.4
	48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	240848	100.000	95.2
	49	cis-1,3-Dichloropropene	75	5.805	5.806	(0.798)	396698	50.0000	49.4
	50	4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	1041697	250.000	242
$	51	Toluene-d8	98	6.062	6.062	(0.834)	241923	50.0000	50.6
	52	Toluene	91	6.132	6.132	(0.843)	1006342	50.0000	50.0
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	347969	50.0000	49.5
	54	Ethyl Methacrylate	69	6.474	6.469	(0.890)	258407	50.0000	46.7
	55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	176225	50.0000	47.6
	56	Tetrachloroethene	166	6.613	6.613	(0.910)	283557	50.0000	45.9
	57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	329229	50.0000	47.4
	58	2-Hexanone	43	6.758	6.758	(0.929)	699800	250.000	231
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	218295	50.0000	48.2
	60	1,2-Dibromoethane	107	6.940	6.940	(0.954)	208192	50.0000	48.1
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	176241	50.0000	
	62	Chlorobenzene	112	7.293	7.293	(1.003)	644160	50.0000	49.0
	63	1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	214573	50.0000	50.0
	64	Ethylbenzene	106	7.362	7.362	(1.013)	315152	50.0000	47.7
	65	m&p-Xylene	106	7.448	7.448	(1.024)	775255	100.000	95.4
	67	o-Xylene	106	7.683	7.683	(1.057)	398590	50.0000	47.5
	68	Styrene	104	7.694	7.694	(1.058)	639106	50.0000	47.2
	69	Bromoform	173	7.801	7.801	(0.909)	126389	50.0000	45.4
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	1060578	50.0000	49.7
$	72	4-Bromofluorobenzene	95	7.993	7.994	(1.099)	83361	50.0000	47.9
	74	Bromobenzene	77	8.063	8.063	(1.109)	385420	50.0000	46.9
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	267427	50.0000	50.0
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	285076	50.0000	49.2
	71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	58466	50.0000	47.4

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	1144502	50.0000	51.2
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	717454	50.0000	51.8
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	882192	50.0000	52.5
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	233698	50.0000	50.6
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	1012790	50.0000	53.6
81	1,2,4-Trimethylbenzene	105	8.405	8.406	(0.979)	880826	50.0000	51.2
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	1164574	50.0000	53.2
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	465685	50.0000	49.2
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	945916	50.0000	52.3
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	89014	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	466698	50.0000	48.4
87	n-Butylbenzene	91	8.753	8.753	(1.020)	865896	50.0000	51.8
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	465717	50.0000	50.9
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	50211	50.0000	50.9
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	392042	50.0000	50.1
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	222640	50.0000	51.0
92	Naphthalene	128	9.588	9.588	(1.117)	1112386	50.0000	53.0
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	366590	50.0000	50.2
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	631299	50.0000	52.8

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a04cal-ccv.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 05-NOV-2010
Calibration Time: 20:28
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	259758	0.00
61 Chlorobenzene-d5	176241	88121	352482	176241	0.00
85 1,4-Dichlorobenze	89014	44507	178028	89014	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 05-NOV-2010 20:28
Lab File ID: a04cal-ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: 50ppb Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	1.01396	1.09805	1.09805	0.100	8.29290	20.00000	Averaged	
2 Chloromethane	0.88442	0.80928	0.80928	0.100	-8.49640	20.00000	Averaged	
3 Vinyl Chloride	50.00000	51.66481	0.76054	0.100	3.32961	0.000e+000	Linear	
4 Bromomethane	50.00000	48.90168	0.22333	0.100	-2.19665	0.000e+000	Quadratic	
5 Chloroethane	0.23205	0.24527	0.24527	0.100	5.69589	20.00000	Averaged	
6 Trichlorofluoromethane	0.95212	1.03131	1.03131	0.100	8.31684	20.00000	Averaged	
7 1,2-dichlorotrifluoroethane	0.74898	0.67886	0.67886	0.100	-9.36193	20.00000	Averaged	
8 Diethyl ether	100	96.65645	0.16110	0.100	-3.34355	0.000e+000	Linear	
18 2-methyl-2-propanol	100	94.45478	0.15293	0.100	-5.54522	0.000e+000	Linear	
9 Acrolein	1000	1100	0.07458	0.100	10.03967	0.000e+000	Linear	
10 1,1,2trichlorotrifluoroetha	0.63105	0.62567	0.62567	0.100	-0.85281	20.00000	Averaged	
11 1,1-Dichloroethene	0.59457	0.58180	0.58180	0.100	-2.14839	20.00000	Averaged	
12 Acetone	250	234	0.14360	0.100	-6.55431	0.000e+000	Linear	
143 Acetonitrile	1.25003	1.25051	1.25051	0.100	0.03856	20.00000	Averaged	
13 Iodomethane	100	99	0.72204	0.100	-0.51016	0.000e+000	Linear	
14 Carbon Disulfide	1.84531	1.81840	1.81840	0.100	-1.45825	20.00000	Averaged	
16 Methyl Acetate	0.61041	0.58722	0.58722	0.100	-3.79862	20.00000	Averaged	
15 allyl chloride	0.65439	0.62651	0.62651	0.100	-4.26116	20.00000	Averaged	
17 Methylene Chloride	50.00000	50.27412	0.73650	0.100	0.54824	0.000e+000	Linear	
19 Acrylonitrile	0.33732	0.33684	0.33684	0.100	-0.14303	20.00000	Averaged	
20 Methyl-tert-butyl ether	2.66043	2.67644	2.67644	0.100	0.60206	20.00000	Averaged	
21 1,2-Dichloroethene (trans)	1.02859	1.03634	1.03634	0.100	0.75368	20.00000	Averaged	
22 n-Hexane	1.45856	1.46230	1.46230	0.100	0.25582	20.00000	Averaged	
147 chloroprene	1.48497	1.50314	1.50314	0.100	1.22321	20.00000	Averaged	
23 1,1-Dichloroethane	1.81376	1.82019	1.82019	0.100	0.35448	20.00000	Averaged	
24 Vinyl Acetate	1.19467	1.23484	1.23484	0.100	3.36248	20.00000	Averaged	
26 1,2-Dichloroethene (cis)	1.09252	1.07023	1.07023	0.100	-2.03960	20.00000	Averaged	
27 2,2-Dichloropropane	1.41033	1.42202	1.42202	0.100	0.82908	20.00000	Averaged	
28 2-Butanone	0.47053	0.43816	0.43816	0.100	-6.87881	20.00000	Averaged	
144 Methacrylonitrile	0.53390	0.49427	0.49427	0.100	-7.42224	20.00000	Averaged	
30 Bromochloromethane	0.78277	0.76226	0.76226	0.100	-2.61956	20.00000	Averaged	
31 Tetrahydrofuran	0.37141	0.35376	0.35376	0.100	-4.75099	20.00000	Averaged	
32 Chloroform	1.90911	1.82062	1.82062	0.100	-4.63517	20.00000	Averaged	
$ 33 Dibromofluoromethane (S)	0.25633	0.25756	0.25756	0.100	0.47780	20.00000	Averaged	
34 1,1,1-Trichloroethane	1.52719	1.52019	1.52019	0.100	-0.45836	20.00000	Averaged	
35 Cyclohexane	50.00000	48.52482	1.63350	0.100	-2.95036	0.000e+000	Linear	
145 isopropyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
36 Carbon Tetrachloride	1.30992	1.28306	1.28306	0.100	-2.05023	20.00000	Averaged	
37 1,1-Dichloropropene	1.43030	1.41556	1.41556	0.100	-1.03059	20.00000	Averaged	
39 Benzene	3.96552	3.85857	3.85857	0.100	-2.69710	20.00000	Averaged	
141 2,2,4-Trimethylpentane	3.84668	3.83593	3.83593	0.100	-0.27942	20.00000	Averaged	
40 1,2-Dichloroethane	1.23757	1.21176	1.21176	0.100	-2.08591	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 05-NOV-2010 20:28
Lab File ID: a04cal-ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: 50ppb Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	0.11983	0.12133	0.12133	0.100	1.24823	20.00000	Averaged	
42 Trichloroethene	1.12067	1.07560	1.07560	0.100	-4.02111	20.00000	Averaged	
43 Methylcyclohexane	50.00000	48.40252	1.37908	0.100	-3.19496	0.000e+000	Linear	
142 1,4-Dioxane	50.00000	46.40326	0.01669	0.100	-7.19347	0.000e+000	Linear	
44 1,2-Dichloropropane	1.02923	0.98172	0.98172	0.100	-4.61584	20.00000	Averaged	
45 Dibromomethane	0.64705	0.61884	0.61884	0.100	-4.36011	20.00000	Averaged	
46 Methyl methacrylate	50.00000	45.60830	0.59068	0.100	-8.78341	0.000e+000	Linear	
47 Bromodichloromethane	1.27587	1.23488	1.23488	0.100	-3.21331	20.00000	Averaged	
48 2-Chloroethyl vinyl ether	100	95.22368	0.68329	0.100	-4.77632	0.000e+000	Linear	
49 cis-1,3-Dichloropropene	2.28033	2.25088	2.25088	0.100	-1.29149	20.00000	Averaged	
50 4-Methyl-2-Pentanone	1.21867	1.18213	1.18213	0.100	-2.99851	20.00000	Averaged	
$ 51 Toluene-d8	1.35696	1.37268	1.37268	0.100	1.15875	20.00000	Averaged	
52 Toluene	50.00000	50.05932	5.71003	0.100	0.11864	0.000e+000	Linear	
53 trans-1,3-Dichloropropene	1.99419	1.97439	1.97439	0.100	-0.99289	20.00000	Averaged	
54 Ethyl Methacrylate	1.57038	1.46621	1.46621	0.100	-6.63294	20.00000	Averaged	
55 1,1,2-Trichloroethane	1.05106	0.99991	0.99991	0.100	-4.86673	20.00000	Averaged	
56 Tetrachloroethene	1.75238	1.60892	1.60892	0.100	-8.18671	20.00000	Averaged	
57 1,3-Dichloropropane	1.97137	1.86806	1.86806	0.100	-5.24066	20.00000	Averaged	
58 2-Hexanone	0.85988	0.79414	0.79414	0.100	-7.64561	20.00000	Averaged	
59 Dibromochloromethane	1.28400	1.23862	1.23862	0.100	-3.53465	20.00000	Averaged	
60 1,2-Dibromoethane	1.22723	1.18129	1.18129	0.100	-3.74321	20.00000	Averaged	
62 Chlorobenzene	3.73304	3.65500	3.65500	0.300	-2.09066	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	1.21807	1.21750	1.21750	0.100	-0.04701	20.00000	Averaged	
64 Ethylbenzene	1.87359	1.78819	1.78819	0.100	-4.55810	20.00000	Averaged	
65 m&p-Xylene	2.30595	2.19942	2.19942	0.100	-4.61976	20.00000	Averaged	
67 o-Xylene	2.38182	2.26162	2.26162	0.100	-5.04665	20.00000	Averaged	
68 Styrene	3.83852	3.62632	3.62632	0.100	-5.52813	20.00000	Averaged	
69 Bromoform	50.00000	45.41440	1.41988	0.100	-9.17119	0.000e+000	Linear	
70 Isopropylbenzene	6.05336	6.01777	6.01777	0.100	-0.58795	20.00000	Averaged	
$ 72 4-Bromofluorobenzene	0.49351	0.47299	0.47299	0.100	-4.15705	20.00000	Averaged	
74 Bromobenzene	2.33247	2.18689	2.18689	0.100	-6.24128	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	3.00225	3.00433	3.00433	0.300	0.06925	20.00000	Averaged	
75 1,2,3-Trichloropropane	3.25432	3.20260	3.20260	0.100	-1.58932	20.00000	Averaged	
71 trans-1,4-Dichloro-2-butene	50.00000	47.44017	0.33174	0.100	-5.11965	0.000e+000	Linear	
76 n-Propylbenzene	12.54250	12.85755	12.85755	0.100	2.51186	20.00000	Averaged	
77 2-Chlorotoluene	7.77674	8.06001	8.06001	0.100	3.64256	20.00000	Averaged	
78 1,3,5-Trimethylbenzene	9.43053	9.91071	9.91071	0.100	5.09178	20.00000	Averaged	
79 4-Chlorotoluene	2.59622	2.62541	2.62541	0.100	1.12427	20.00000	Averaged	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert Butylbenzene	10.61604	11.37787	11.37787	0.100	7.17624	20.00000	Averaged	
81 1,2,4-Trimethylbenzene	9.66526	9.89536	9.89536	0.100	2.38079	20.00000	Averaged	
82 sec-Butylbenzene	12.30659	13.08304	13.08304	0.100	6.30921	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

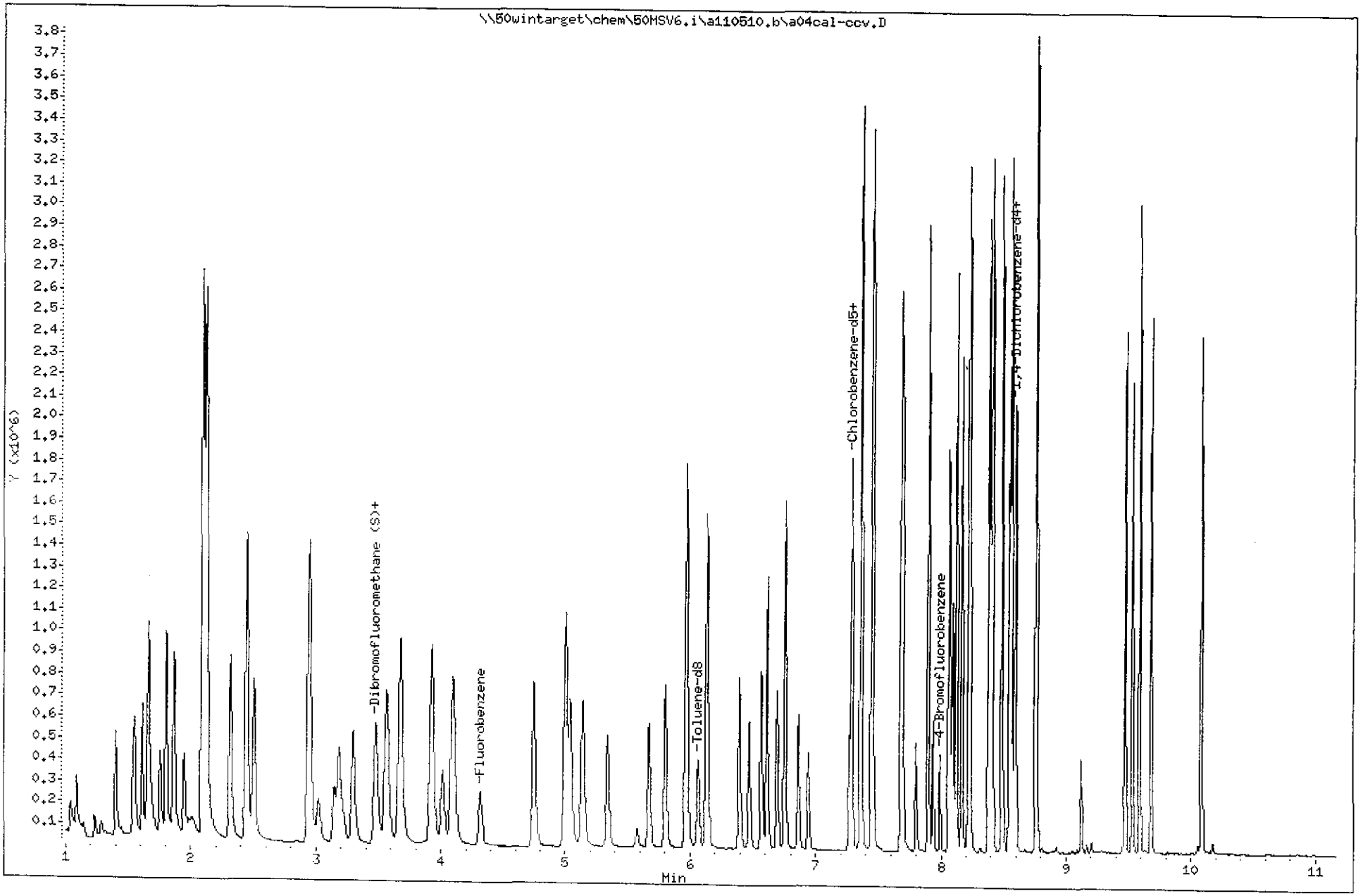
Instrument ID: 50MSV6.i Injection Date: 05-NOV-2010 20:28
Lab File ID: a04cal-ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: 50ppb Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
83 1,3-Dichlorobenzene	5.31250	5.23159	5.23159	0.100	-1.52293	20.00000	Averaged
84 p-Isopropyltoluene	10.16573	10.62660	10.62660	0.100	4.53358	20.00000	Averaged
86 1,4-Dichlorobenzene	5.41212	5.24297	5.24297	0.100	-3.12526	20.00000	Averaged
87 n-Butylbenzene	9.38884	9.72764	9.72764	0.100	3.60849	20.00000	Averaged
88 1,2-Dichlorobenzene	5.13912	5.23195	5.23195	0.100	1.80639	20.00000	Averaged
89 1,2-Dibromo-3-chloropropane	0.55378	0.56408	0.56408	0.100	1.86063	20.00000	Averaged
90 1,2,4-Trichlorobenzene	4.39281	4.40427	4.40427	0.100	0.26102	20.00000	Averaged
91 Hexachlorobutadiene	2.45222	2.50118	2.50118	0.100	1.99671	20.00000	Averaged
92 Naphthalene	50.00000	52.98214	12.49675	0.100	5.96428	0.000e+000	Linear
93 1,2,3-Trichlorobenzene	4.10173	4.11834	4.11834	0.100	0.40505	20.00000	Averaged
94 2,methyl-naphthalene	50.00000	52.83264	7.09213	0.100	5.66529	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a04cal-ccv.D
Date : 05-NOV-2010 20:28
Client ID: ccv
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a04cal.D
Lab Smp Id: 50ppb
Inj Date : 05-NOV-2010 20:28
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 20:28 Cal File: a04cal.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	285226	50.0000	54.1
2	Chloromethane	50	1.039	1.034	(0.241)	210217	50.0000	45.8
3	Vinyl Chloride	62	1.087	1.087	(0.252)	197557	50.0000	51.7
4	Bromomethane	94	1.231	1.232	(0.285)	58012	50.0000	48.9
5	Chloroethane	64	1.285	1.285	(0.298)	63711	50.0000	52.8
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	267890	50.0000	54.2
7	1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	176340	50.0000	45.3
8	Diethyl ether	74	1.536	1.537	(0.356)	83695	100.000	96.6
18	2 methyl-2-propanol	59	2.013	2.013	(0.466)	79450	100.000	94.4(M)
9	Acrolein	56	1.611	1.611	(0.373)	387465	1000.00	1100
10	1,1,2trichlorotrifluoroethane	101	1.659	1.660	(0.384)	162522	50.0000	49.6
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	151127	50.0000	48.9
12	Acetone	43	1.686	1.686	(0.391)	186511	250.000	234
143	Acetonitrile	41	1.868	1.868	(0.433)	324830	50.0000	50.0(M)
13	Iodomethane	142	1.761	1.756	(0.408)	375110	100.000	99.5
14	Carbon Disulfide	76	1.804	1.804	(0.418)	944686	100.000	98.5
16	Methyl Acetate	43	1.863	1.857	(0.431)	152535	50.0000	48.1(H)
15	allyl chloride	41	1.868	1.868	(0.433)	325480	100.000	95.7(M)
17	Methylene Chloride	84	1.948	1.948	(0.451)	191313	50.0000	50.3
19	Acrylonitrile	53	2.098	2.098	(0.486)	1749919	1000.00	998
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1390456	100.000	101
21	1,2-Dichloroethene (trans)	96	2.130	2.130	(0.493)	269198	50.0000	50.4
22	n-Hexane	57	2.317	2.318	(0.537)	379843	50.0000	50.1

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	147 chloroprene	53	2.505	2.505	(0.580)	390452	50.0000	50.6
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	472810	50.0000	50.2
	24 Vinyl Acetate	43	2.440	2.441	(0.565)	1283038	200.000	207
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	278002	50.0000	49.0
	27 2,2 Dichloropropane	77	2.954	2.949	(0.684)	369381	50.0000	50.4
	28 2-Butanone	43	2.938	2.938	(0.680)	569078	250.000	233
	144 Methacrylonitrile	41	3.152	3.147	(0.730)	128391	50.0000	46.3
	30 Bromochloromethane	49	3.184	3.184	(0.737)	198004	50.0000	48.7
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	91892	50.0000	47.6(Q)
	32 Chloroform	83	3.302	3.297	(0.765)	472921	50.0000	47.7
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	66902	50.0000	50.2
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	394881	50.0000	49.8
	35 Cyclohexane	56	3.569	3.569	(0.827)	424314	50.0000	48.5
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	333285	50.0000	49.0
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	367704	50.0000	49.5
	39 Benzene	78	3.933	3.933	(0.911)	1002294	50.0000	48.6
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	996413	50.0000	49.9
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	314764	50.0000	49.0
	38 Isobutyl alcohol	43	4.099	4.099	(0.949)	157581	250.000	253
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	259758	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	279397	50.0000	48.0
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	358226	50.0000	48.4
	142 1,4-Dioxane	88	5.142	5.142	(1.191)	4336	50.0000	46.4(Q)
	44 1,2-Dichloropropane	63	5.040	5.041	(1.167)	255010	50.0000	47.7
	45 Dibromomethane	93	5.131	5.132	(1.188)	160749	50.0000	47.8
	46 Methyl methacrylate	69	5.147	5.148	(1.192)	153433	50.0000	45.6
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	320769	50.0000	48.4
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	240848	100.000	95.2
	49 cis-1,3-Dichloropropene	75	5.805	5.806	(0.798)	396698	50.0000	49.4
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	1041697	250.000	242
$	51 Toluene-d8	98	6.062	6.062	(0.834)	241923	50.0000	50.6
	52 Toluene	91	6.132	6.132	(0.843)	1006342	50.0000	50.0
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	347969	50.0000	49.5
	54 Ethyl Methacrylate	69	6.474	6.469	(0.890)	258407	50.0000	46.7
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	176225	50.0000	47.6
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	283557	50.0000	45.9
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	329229	50.0000	47.4
	58 2-Hexanone	43	6.758	6.758	(0.929)	699800	250.000	231
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	218295	50.0000	48.2
	60 1,2-Dibromoethane	107	6.940	6.940	(0.954)	208192	50.0000	48.1
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	176241	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	644160	50.0000	49.0
	63 1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	214573	50.0000	50.0
	64 Ethylbenzene	106	7.362	7.362	(1.013)	315152	50.0000	47.7
	65 m&p-Xylene	106	7.448	7.448	(1.024)	775255	100.000	95.4
	67 o-Xylene	106	7.683	7.683	(1.057)	398590	50.0000	47.5
	68 Styrene	104	7.694	7.694	(1.058)	639106	50.0000	47.2
	69 Bromoform	173	7.801	7.801	(0.909)	126389	50.0000	45.4
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	1060578	50.0000	49.7
$	72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	83361	50.0000	47.9
	74 Bromobenzene	77	8.063	8.063	(1.109)	385420	50.0000	46.9
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	267427	50.0000	50.0
	75 1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	285076	50.0000	49.2
	71 trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	58466	50.0000	47.4

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
76	n-Propylbenzene	91	8.122	8.122	(0.946)	1144502	50.0000	51.2	
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	717454	50.0000	51.8	
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	882192	50.0000	52.5	
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	233698	50.0000	50.6	
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	1012790	50.0000	53.6	
81	1,2,4-Trimethylbenzene	105	8.405	8.406	(0.979)	880826	50.0000	51.2	
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	1164574	50.0000	53.2	
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	465685	50.0000	49.2	
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	945916	50.0000	52.3	
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	89014	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	466698	50.0000	48.4	
87	n-Butylbenzene	91	8.753	8.753	(1.020)	865896	50.0000	51.8	
88	1,2 Dichlorobenzene	146	8.764	8.764	(1.021)	465717	50.0000	50.9	
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	50211	50.0000	50.9	
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	392042	50.0000	50.1	
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	222640	50.0000	51.0	
92	Naphthalene	128	9.588	9.588	(1.117)	1112386	50.0000	53.0	
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	366590	50.0000	50.2	
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	631299	50.0000	52.8	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a04cal.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	259758	0.00
61 Chlorobenzene-d5	176241	88121	352482	176241	0.00
85 1,4-Dichlorobenze	89014	44507	178028	89014	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	54.1	
74-87-3	Chloromethane	45.8	
75-01-4	Vinyl Chloride	51.7	
74-83-9	Bromomethane	48.9	
75-00-3	Chloroethane	52.8	
75-69-4	Trichlorofluoromethane	54.2	
354-23-4	1,2-dichlorotrifluoroethane	45.3	
60-29-7	Diethyl ether	96.6	
75-65-0	2-methyl-2-propanol	94.4	
107-02-8	Acrolein	1100	
76-13-1	1,1,2trichlorotrifluoroethan	49.6	
75-35-4	1,1-Dichloroethene	48.9	
67-64-1	Acetone	234	
75-05-8	Acetonitrile	50.0	
----------	Iodomethane	99.5	
75-15-0	Carbon Disulfide	98.5	
79-20-9	Methyl Acetate	48.1	
107-05-1	allyl chloride	95.7	
75-09-2	Methylene Chloride	50.3	
107-13-1	Acrylonitrile	998	
1634-04-4	Methyl-tert-butyl ether	101	
156-60-5	1,2-Dichloroethene (trans)	50.4	
----------	n-Hexane	50.1	
126-99-8	chloroprene	50.6	
75-34-3	1,1-Dichloroethane	50.2	
108-05-4	Vinyl Acetate	207	
156-59-2	1,2-Dichloroethene (cis)	49.0	
594-20-7	2,2-Dichloropropane	50.4	
78-93-3	2-Butanone	233	
126-98-7	Methacrylonitrile	46.3	
74-97-5	Bromochloromethane	48.7	
----------	Tetrahydrofuran	47.6	
67-66-3	Chloroform	47.7	
71-55-6	1,1,1-Trichloroethane	49.8	
110-82-7	Cyclohexane	48.5	
56-23-5	Carbon Tetrachloride	49.0	
563-58-6	1,1-Dichloropropene	49.5	
71-43-2	Benzene	48.6	
540-84-1	2,2,4-Trimethylpentane	49.9	
107-06-2	1,2-Dichloroethane	49.0	
78-83-1	Isobutyl alcohol	253	
79-01-6	Trichloroethene	48.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 50ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	48.4	
----------	1,4-Dioxane	46.4	
78-87-5	1,2-Dichloropropane	47.7	
74-95-3	Dibromomethane	47.8	
80-62-6	Methyl methacrylate	45.6	
75-27-4	Bromodichloromethane	48.4	
110-75-8	2-Chloroethyl vinyl ether	95.2	
10061-01-5	cis-1,3-Dichloropropene	49.4	
108-10-1	4-Methyl-2-Pentanone	242	
108-88-3	Toluene	50.0	
10061-02-6	trans-1,3-Dichloropropene	49.5	
----------	Ethyl Methacrylate	46.7	
79-00-5	1,1,2-Trichloroethane	47.6	
127-18-4	Tetrachloroethene	45.9	
142-28-9	1,3-Dichloropropane	47.4	
591-78-6	2-Hexanone	231	
124-48-1	Dibromochloromethane	48.2	
106-93-4	1,2-Dibromoethane	48.1	
108-90-7	Chlorobenzene	49.0	
630-20-6	1,1,1,2-Tetrachloroethane	50.0	
100-41-4	Ethylbenzene	47.7	
7816-60-0	m&p-Xylene	95.4	
95-47-6	o-Xylene	47.5	
100-42-5	Styrene	47.2	
75-25-2	Bromoform	45.4	
98-82-8	Isopropylbenzene	49.7	
108-86-1	Bromobenzene	46.9	
79-34-5	1,1,2,2-Tetrachloroethane	50.0	
96-18-4	1,2,3-Trichloropropane	49.2	
----------	trans-1,4-Dichloro-2-butene	47.4	
103-65-1	n-Propylbenzene	51.2	
95-49-8	2-Chlorotoluene	51.8	
108-67-8	1,3,5-Trimethylbenzene	52.5	
106-43-4	4-Chlorotoluene	50.6	
98-06-6	tert-Butylbenzene	53.6	
95-63-6	1,2,4-Trimethylbenzene	51.2	
135-98-8	sec-Butylbenzene	53.2	
541-73-1	1,3-Dichlorobenzene	49.2	
99-87-6	p-Isopropyltoluene	52.3	
106-46-7	1,4-Dichlorobenzene	48.4	
104-51-8	n-Butylbenzene	51.8	
95-50-1	1,2-Dichlorobenzene	50.9	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

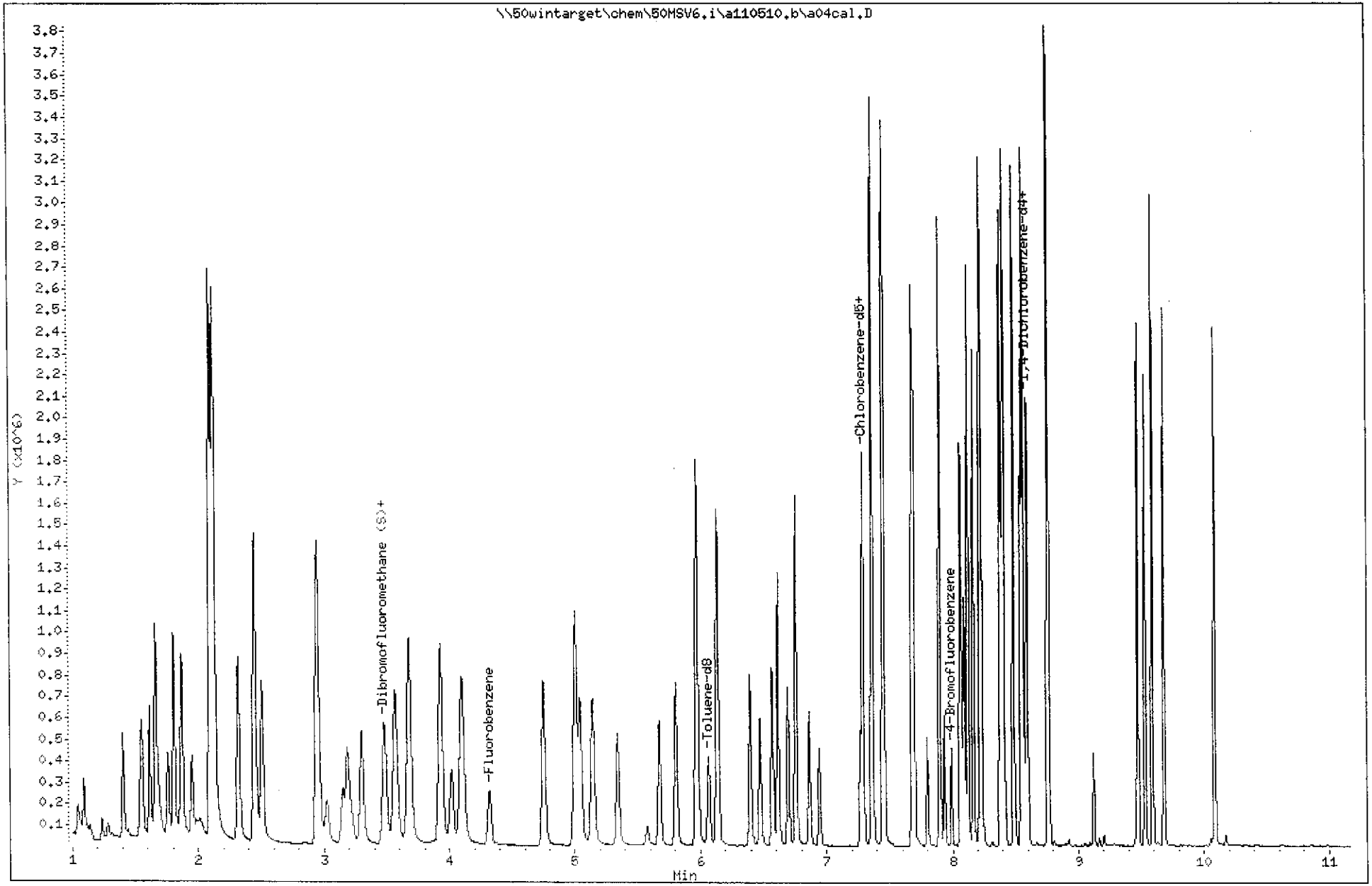
Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	50.9	
120-82-1	1,2,4-Trichlorobenzene	50.1	
87-68-3	Hexachlorobutadiene	51.0	
91-20-3	Naphthalene	53.0	
87-61-6	1,2,3-Trichlorobenzene	50.2	
----------	2,methyl-naphthalene	52.8	
1868-53-7	Dibromofluoromethane (S)	50.2	
2037-26-5	Toluene-d8	50.6	
460-00-4	4-Bromofluorobenzene	47.9	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a04cal.D
Date : 05-NOV-2010 20:28
Client ID:
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a05cal.D
Lab Smp Id: 100ppb
Inj Date : 05-NOV-2010 21:05
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 100ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 21:05 Cal File: a05cal.D
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	487183	100.000	93.8
2	Chloromethane	50	1.039	1.034	(0.241)	395212	100.000	87.2
3	Vinyl Chloride	62	1.087	1.087	(0.252)	348973	100.000	92.1
4	Bromomethane	94	1.232	1.232	(0.285)	81399	100.000	106
5	Chloroethane	64	1.280	1.285	(0.296)	88668	100.000	74.6
6	Trichlorofluoromethane	101	1.397	1.403	(0.324)	433907	100.000	89.0
7	1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	368022	100.000	95.9
8	Diethyl ether	74	1.536	1.537	(0.356)	176097	200.000	208
18	2-methyl-2-propanol	59	2.018	2.013	(0.467)	169877	200.000	214(M)
9	Acrolein	56	1.611	1.611	(0.373)	660191	2000.00	1910
10	1,1,2trichlorotrifluoroethane	101	1.660	1.660	(0.384)	349520	100.000	108
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	322237	100.000	106
12	Acetone	43	1.686	1.686	(0.391)	415763	500.000	570
143	Acetonitrile	41	1.868	1.868	(0.433)	712186	100.000	111(M)
13	Iodomethane	142	1.756	1.756	(0.407)	826881	200.000	234
14	Carbon Disulfide	76	1.804	1.804	(0.418)	2014663	200.000	213
16	Methyl Acetate	43	1.863	1.857	(0.431)	339096	100.000	108(H)
15	allyl chloride	41	1.868	1.868	(0.433)	712186	200.000	212(M)
17	Methylene Chloride	84	1.948	1.948	(0.451)	376358	100.000	111
19	Acrylonitrile	53	2.098	2.098	(0.486)	3693575	2000.00	2140
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	2949641	200.000	216
21	1,2-Dichloroethene (trans)	96	2.125	2.130	(0.492)	570692	100.000	108
22	n-Hexane	57	2.318	2.318	(0.537)	805766	100.000	108

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	147 chloroprene	53	2.505	2.505	(0.580)	820752	100.000	108
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	992786	100.000	107
	24 Vinyl Acetate	43	2.441	2.441	(0.565)	2629243	400.000	430
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	601412	100.000	107
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	775984	100.000	107
	28 2-Butanone	43	2.938	2.938	(0.680)	1224090	500.000	508
	144 Methacrylonitrile	41	3.152	3.147	(0.730)	277988	100.000	102
	30 Bromochloromethane	49	3.184	3.184	(0.737)	428205	100.000	107
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	194315	100.000	102
	32 Chloroform	83	3.302	3.297	(0.765)	1016076	100.000	104
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	67356	50.0000	51.3
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	848566	100.000	108
	35 Cyclohexane	56	3.569	3.569	(0.827)	905795	100.000	108
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	723132	100.000	108
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	789231	100.000	108
	39 Benzene	78	3.933	3.933	(0.911)	2160961	100.000	106
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	2142289	100.000	109
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	678730	100.000	107
	38 Isobutyl alcohol	43	4.099	4.099	(0.949)	340955	500.000	556
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	256073	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	606313	100.000	106
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	762622	100.000	108
	142 1,4-Dioxane	88	5.142	5.142	(1.191)	10023	100.000	107
	44 1,2-Dichloropropane	63	5.046	5.041	(1.168)	557180	100.000	106
	45 Dibromomethane	93	5.131	5.132	(1.188)	349145	100.000	105
	46 Methyl methacrylate	69	5.148	5.148	(1.192)	348316	100.000	103
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	719308	100.000	110
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	562434	200.000	214
	49 cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	886094	100.000	106
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	2251041	500.000	502
$	51 Toluene-d8	98	6.062	6.062	(0.834)	247395	50.0000	49.6
	52 Toluene	91	6.132	6.132	(0.843)	2216143	100.000	110
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	779054	100.000	106
	54 Ethyl Methacrylate	69	6.474	6.469	(0.890)	595264	100.000	103
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	386166	100.000	99.9
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	675773	100.000	105
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	748116	100.000	103
	58 2-Hexanone	43	6.758	6.758	(0.929)	1525714	500.000	482
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	519295	100.000	110
	60 1,2-Dibromoethane	107	6.940	6.940	(0.954)	468361	100.000	104
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	183884	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	1449250	100.000	106
	63 1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	479681	100.000	107
	64 Ethylbenzene	106	7.362	7.362	(1.013)	719011	100.000	104
	65 m&p-Xylene	106	7.453	7.448	(1.025)	1752433	200.000	207
	67 o-Xylene	106	7.683	7.683	(1.057)	884218	100.000	101
	68 Styrene	104	7.694	7.694	(1.058)	1482074	100.000	105
	69 Bromoform	173	7.801	7.801	(0.909)	320934	100.000	101
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	2311303	100.000	104
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	89904	50.0000	49.5
	74 Bromobenzene	77	8.063	8.063	(1.109)	901875	100.000	105
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	615779	100.000	106
	75 1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	660776	100.000	105
	71 trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	133475	100.000	105

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
76	n-Propylbenzene	91	8.122	8.122	(0.946)	2594982	100.000	107	
77	2 Chlorotoluene	91	8.165	8.165	(0.951)	1605302	100.000	106	
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	1957360	100.000	107	
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	530619	100.000	105	
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	2239130	100.000	109	
81	1,2,4-Trimethylbenzene	105	8.406	8.406	(0.979)	1980380	100.000	106	
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	2586767	100.000	108	
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	1082293	100.000	105	
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	2126617	100.000	108	
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	96904	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.593	8.598	(1.001)	1095575	100.000	104	
87	n-Butylbenzene	91	8.753	8.753	(1.020)	1939857	100.000	107	
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	1050394	100.000	105	
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	115688	100.000	108	
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	877592	100.000	103	
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	509224	100.000	107	
92	Naphthalene	128	9.588	9.588	(1.117)	2343054	100.000	116	
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	809766	100.000	102	
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	1385927	100.000	114	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a05cal.D
Lab Smp Id: 100ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	256073	-1.42
61 Chlorobenzene-d5	176241	88121	352482	183884	4.34
85 1,4-Dichlorobenze	89014	44507	178028	96904	8.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 100ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	93.8	
74-87-3	Chloromethane	87.2	
75-01-4	Vinyl Chloride	92.1	
74-83-9	Bromomethane	106	
75-00-3	Chloroethane	74.6	
75-69-4	Trichlorofluoromethane	89.0	
354-23-4	1,2-dichlorotrifluoroethane	95.9	
60-29-7	Diethyl ether	208	
75-65-0	2-methyl-2-propanol	214	
107-02-8	Acrolein	1910	
76-13-1	1,1,2trichlorotrifluoroethan	108	
75-35-4	1,1-Dichloroethene	106	
67-64-1	Acetone	570	
75-05-8	Acetonitrile	111	
----------	Iodomethane	234	
75-15-0	Carbon Disulfide	213	
79-20-9	Methyl Acetate	108	
107-05-1	allyl chloride	212	
75-09-2	Methylene Chloride	111	
107-13-1	Acrylonitrile	2140	
1634-04-4	Methyl-tert-butyl ether	216	
156-60-5	1,2-Dichloroethene (trans)	108	
----------	n-Hexane	108	
126-99-8	chloroprene	108	
75-34-3	1,1-Dichloroethane	107	
108-05-4	Vinyl Acetate	430	
156-59-2	1,2-Dichloroethene (cis)	107	
594-20-7	2,2-Dichloropropane	107	
78-93-3	2-Butanone	508	
126-98-7	Methacrylonitrile	102	
74-97-5	Bromochloromethane	107	
----------	Tetrahydrofuran	102	
67-66-3	Chloroform	104	
71-55-6	1,1,1-Trichloroethane	108	
110-82-7	Cyclohexane	108	
56-23-5	Carbon Tetrachloride	108	
563-58-6	1,1-Dichloropropene	108	
71-43-2	Benzene	106	
540-84-1	2,2,4-Trimethylpentane	109	
107-06-2	1,2-Dichloroethane	107	
78-83-1	Isobutyl alcohol	556	
79-01-6	Trichloroethene	106	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	108	
----------	1,4-Dioxane	107	
78-87-5	1,2-Dichloropropane	106	
74-95-3	Dibromomethane	105	
80-62-6	Methyl methacrylate	103	
75-27-4	Bromodichloromethane	110	
110-75-8	2-Chloroethyl vinyl ether	214	
10061-01-5	cis-1,3-Dichloropropene	106	
108-10-1	4-Methyl-2-Pentanone	502	
108-88-3	Toluene	110	
10061-02-6	trans-1,3-Dichloropropene	106	
----------	Ethyl Methacrylate	103	
79-00-5	1,1,2-Trichloroethane	99.9	
127-18-4	Tetrachloroethene	105	
142-28-9	1,3-Dichloropropane	103	
591-78-6	2-Hexanone	482	
124-48-1	Dibromochloromethane	110	
106-93-4	1,2-Dibromoethane	104	
108-90-7	Chlorobenzene	106	
630-20-6	1,1,1,2-Tetrachloroethane	107	
100-41-4	Ethylbenzene	104	
7816-60-0	m&p-Xylene	207	
95-47-6	o-Xylene	101	
100-42-5	Styrene	105	
75-25-2	Bromoform	101	
98-82-8	Isopropylbenzene	104	
108-86-1	Bromobenzene	105	
79-34-5	1,1,2,2-Tetrachloroethane	106	
96-18-4	1,2,3-Trichloropropane	105	
----------	trans-1,4-Dichloro-2-butene	105	
103-65-1	n-Propylbenzene	107	
95-49-8	2-Chlorotoluene	106	
108-67-8	1,3,5-Trimethylbenzene	107	
106-43-4	4-Chlorotoluene	105	
98-06-6	tert-Butylbenzene	109	
95-63-6	1,2,4-Trimethylbenzene	106	
135-98-8	sec-Butylbenzene	108	
541-73-1	1,3-Dichlorobenzene	105	
99-87-6	p-Isopropyltoluene	108	
106-46-7	1,4-Dichlorobenzene	104	
104-51-8	n-Butylbenzene	107	
95-50-1	1,2-Dichlorobenzene	105	

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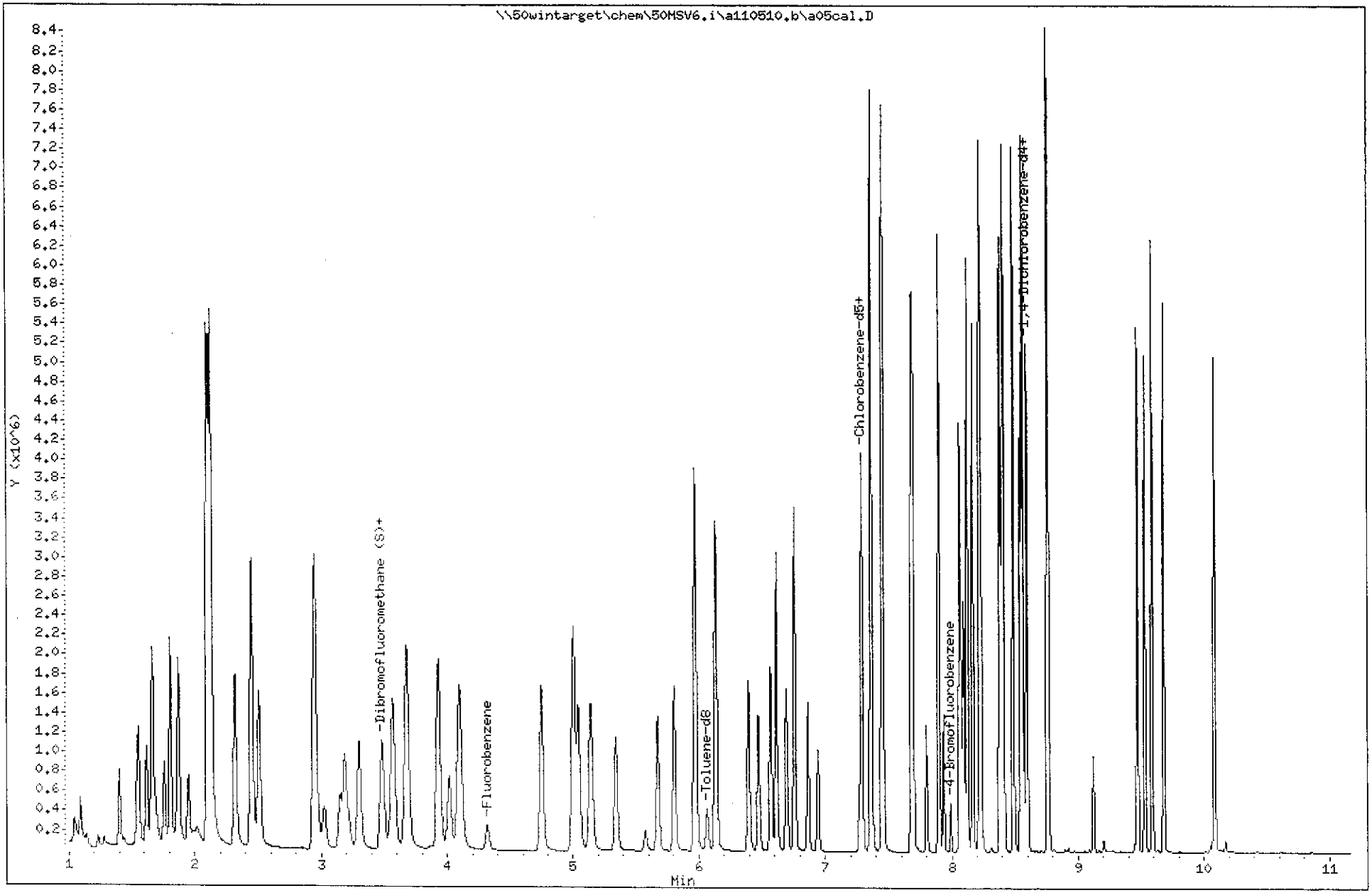
TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 100ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	108	
120-82-1	1,2,4-Trichlorobenzene	103	
87-68-3	Hexachlorobutadiene	107	
91-20-3	Naphthalene	116	
87-61-6	1,2,3-Trichlorobenzene	102	
----------	2,methyl-naphthalene	114	
1868-53-7	Dibromofluoromethane (S)	51.3	
2037-26-5	Toluene-d8	49.6	
460-00-4	4-Bromofluorobenzene	49.5	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a05cal.D
Date : 05-NOV-2010 21:05
Client ID:
Sample Info: 100ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a06cal.D
Lab Smp Id: 150ppb
Inj Date : 05-NOV-2010 21:43
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 150ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 21:43 Cal File: a06cal.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	734119	150.000	146
2 Chloromethane	50	1.039	1.034	(0.241)	648770	150.000	148
3 Vinyl Chloride	62	1.087	1.087	(0.252)	534003	150.000	146
4 Bromomethane	94	1.221	1.232	(0.283)	87863	150.000	135
5 Chloroethane	64	1.274	1.285	(0.295)	127854	150.000	111
6 Trichlorofluoromethane	101	1.392	1.403	(0.322)	700873	150.000	149
7 1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	517966	150.000	140
8 Diethyl ether	74	1.537	1.537	(0.356)	241137	300.000	295
18 2-methyl-2-propanol	59	2.023	2.013	(0.469)	247063	300.000	326(Q)
9 Acrolein	56	1.611	1.611	(0.373)	960004	3000.00	2890
10 1,1,2trichlorotrifluoroethane	101	1.654	1.660	(0.383)	483463	150.000	155
11 1,1-Dichloroethene	96	1.660	1.665	(0.384)	443458	150.000	151
12 Acetone	43	1.686	1.686	(0.391)	585118	750.000	846
143 Acetonitrile	41	1.868	1.868	(0.433)	942931	150.000	152(M)
13 Iodomethane	142	1.756	1.756	(0.407)	1119533	300.000	331
14 Carbon Disulfide	76	1.799	1.804	(0.417)	2681630	300.000	294
16 Methyl Acetate	43	1.858	1.857	(0.430)	444948	150.000	147(M)
15 allyl chloride	41	1.868	1.868	(0.433)	944942	300.000	292(M)
17 Methylene Chloride	84	1.943	1.948	(0.450)	515938	150.000	162
19 Acrylonitrile	53	2.098	2.098	(0.486)	5110546	3000.00	3060
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	4090531	300.000	311
21 1,2-Dichloroethene (trans)	96	2.125	2.130	(0.492)	791431	150.000	156
22 n-Hexane	57	2.312	2.318	(0.535)	1132376	150.000	157

			QUANT STG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	147	chloroprene	53	2.499	2.505	(0.579)	1160212	150.000	158
	23	1,1-Dichloroethane	63	2.446	2.446	(0.566)	1390630	150.000	155
	24	Vinyl Acetate	43	2.441	2.441	(0.565)	3677532	600.000	622
	26	1,2-Dichloroethene (cis)	96	2.938	2.943	(0.680)	858474	150.000	159
	27	2,2-Dichloropropane	77	2.949	2.949	(0.683)	1105073	150.000	158
	28	2-Butanone	43	2.944	2.938	(0.682)	1744124	750.000	749
	144	Methacrylonitrile	41	3.152	3.147	(0.730)	395864	150.000	150
	30	Bromochloromethane	49	3.184	3.184	(0.737)	604748	150.000	156
	31	Tetrahydrofuran	42	3.564	3.569	(0.825)	277843	150.000	151
	32	Chloroform	83	3.297	3.297	(0.763)	1447906	150.000	153
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	63778	50.0000	50.3
	34	1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	1224836	150.000	162
	35	Cyclohexane	56	3.569	3.569	(0.827)	1296362	150.000	161
	36	Carbon Tetrachloride	117	3.671	3.676	(0.850)	1046827	150.000	162
	37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	1122473	150.000	159
	39	Benzene	78	3.933	3.933	(0.911)	3089779	150.000	158
	141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	3087412	150.000	162
	40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	958110	150.000	156
	38	Isobutyl alcohol	43	4.099	4.099	(0.949)	485033	750.000	818
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	247291	50.0000	
	42	Trichloroethene	95	4.746	4.746	(1.099)	864858	150.000	156
	43	Methylcyclohexane	55	5.003	5.003	(1.159)	1091957	150.000	161
	142	1,4-Dioxane	88	5.142	5.142	(1.191)	14461	150.000	159
	44	1,2-Dichloropropane	63	5.041	5.041	(1.167)	801366	150.000	157
	45	Dibromomethane	93	5.132	5.132	(1.188)	498391	150.000	156
	46	Methyl methacrylate	69	5.148	5.148	(1.192)	507281	150.000	155
	47	Bromodichloromethane	83	5.340	5.340	(1.237)	1044732	150.000	166
	48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	832467	300.000	324
	49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	1282547	150.000	156
	50	4-Methyl-2-Pentanone	43	5.977	5.971	(0.822)	3205059	750.000	730
$	51	Toluene-d8	98	6.062	6.062	(0.834)	239329	50.0000	48.9
	52	Toluene	91	6.132	6.132	(0.843)	3175098	150.000	163
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	1120305	150.000	156
	54	Ethyl Methacrylate	69	6.474	6.469	(0.890)	866200	150.000	153
	55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	561118	150.000	148
	56	Tetrachloroethene	166	6.613	6.613	(0.910)	935526	150.000	148
	57	1,3 Dichloropropane	76	6.699	6.699	(0.921)	1083943	150.000	152
	58	2-Hexanone	43	6.758	6.758	(0.929)	2202918	750.000	711
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	761560	150.000	164
	60	1,2-Dibromoethane	107	6.940	6.940	(0.954)	682773	150.000	154
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	180218	50.0000	
	62	Chlorobenzene	112	7.293	7.293	(1.003)	2079239	150.000	154
	63	1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	689745	150.000	157
	64	Ethylbenzene	106	7.362	7.362	(1.013)	1037316	150.000	154
	65	m&p-Xylene	106	7.453	7.448	(1.025)	2504521	300.000	301
	67	o-Xylene	106	7.683	7.683	(1.057)	1277034	150.000	149
	68	Styrene	104	7.694	7.694	(1.058)	2143007	150.000	155
	69	Bromoform	173	7.801	7.801	(0.909)	492918	150.000	154
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	3353310	150.000	154
$	72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	89879	50.0000	50.5
	74	Bromobenzene	77	8.063	8.063	(1.109)	1305258	150.000	155
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	902116	150.000	156
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	978767	150.000	156
	71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	196456	150.000	158

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	
76	n-Propylbenzene	91	8.122	8.122	(0.946)	3741524	150.000	155	
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	2323877	150.000	155	
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	2805928	150.000	155	
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	777575	150.000	156	
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	3249281	150.000	159	
81	1,2,4-Trimethylbenzene	105	8.406	8.406	(0.979)	2845123	150.000	153	
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	3732135	150.000	158	
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	1549087	150.000	152	
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	3034445	150.000	155	
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	96127	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	1577940	150.000	152	
87	n-Butylbenzene	91	8.753	8.753	(1.020)	2720983	150.000	151	
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	1480302	150.000	150	
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	173619	150.000	163	
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	1212735	150.000	144	
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	732644	150.000	155	
92	Naphthalene	128	9.588	9.588	(1.117)	3288788	150.000	170	
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	1144381	150.000	145	
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	1973434	150.000	167	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a06cal.D
Lab Smp Id: 150ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	247291	-4.80
61 Chlorobenzene-d5	176241	88121	352482	180218	2.26
85 1,4-Dichlorobenze	89014	44507	178028	96127	7.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	146	
74-87-3	Chloromethane	148	
75-01-4	Vinyl Chloride	146	
74-83-9	Bromomethane	135	
75-00-3	Chloroethane	111	
75-69-4	Trichlorofluoromethane	149	
354-23-4	1,2-dichlorotrifluoroethane	140	
60-29-7	Diethyl ether	295	
75-65-0	2-methyl-2-propanol	326	
107-02-8	Acrolein	2890	
76-13-1	1,1,2trichlorotrifluoroethan	155	
75-35-4	1,1-Dichloroethene	151	
67-64-1	Acetone	846	
75-05-8	Acetonitrile	152	
----------	Iodomethane	331	
75-15-0	Carbon Disulfide	294	
79-20-9	Methyl Acetate	147	
107-05-1	allyl chloride	292	
75-09-2	Methylene Chloride	162	
107-13-1	Acrylonitrile	3060	
1634-04-4	Methyl-tert-butyl ether	311	
156-60-5	1,2-Dichloroethene (trans)	156	
----------	n-Hexane	157	
126-99-8	chloroprene	158	
75-34-3	1,1-Dichloroethane	155	
108-05-4	Vinyl Acetate	622	
156-59-2	1,2-Dichloroethene (cis)	159	
594-20-7	2,2-Dichloropropane	158	
78-93-3	2-Butanone	749	
126-98-7	Methacrylonitrile	150	
74-97-5	Bromochloromethane	156	
----------	Tetrahydrofuran	151	
67-66-3	Chloroform	153	
71-55-6	1,1,1-Trichloroethane	162	
110-82-7	Cyclohexane	161	
56-23-5	Carbon Tetrachloride	162	
563-58-6	1,1-Dichloropropene	159	
71-43-2	Benzene	158	
540-84-1	2,2,4-Trimethylpentane	162	
107-06-2	1,2-Dichloroethane	156	
78-83-1	Isobutyl alcohol	818	
79-01-6	Trichloroethene	156	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	161	
----------	1,4-Dioxane	159	
78-87-5	1,2-Dichloropropane	157	
74-95-3	Dibromomethane	156	
80-62-6	Methyl methacrylate	155	
75-27-4	Bromodichloromethane	166	
110-75-8	2-Chloroethyl vinyl ether	324	
10061-01-5	cis-1,3-Dichloropropene	156	
108-10-1	4-Methyl-2-Pentanone	730	
108-88-3	Toluene	163	
10061-02-6	trans-1,3-Dichloropropene	156	
----------	Ethyl Methacrylate	153	
79-00-5	1,1,2-Trichloroethane	148	
127-18-4	Tetrachloroethene	148	
142-28-9	1,3-Dichloropropane	152	
591-78-6	2-Hexanone	711	
124-48-1	Dibromochloromethane	164	
106-93-4	1,2-Dibromoethane	154	
108-90-7	Chlorobenzene	154	
630-20-6	1,1,1,2-Tetrachloroethane	157	
100-41-4	Ethylbenzene	154	
7816-60-0	m&p-Xylene	301	
95-47-6	o-Xylene	149	
100-42-5	Styrene	155	
75-25-2	Bromoform	154	
98-82-8	Isopropylbenzene	154	
108-86-1	Bromobenzene	155	
79-34-5	1,1,2,2-Tetrachloroethane	156	
96-18-4	1,2,3-Trichloropropane	156	
----------	trans-1,4-Dichloro-2-butene	158	
103-65-1	n-Propylbenzene	155	
95-49-8	2-Chlorotoluene	155	
108-67-8	1,3,5-Trimethylbenzene	155	
106-43-4	4-Chlorotoluene	156	
98-06-6	tert-Butylbenzene	159	
95-63-6	1,2,4-Trimethylbenzene	153	
135-98-8	sec-Butylbenzene	158	
541-73-1	1,3-Dichlorobenzene	152	
99-87-6	p-Isopropyltoluene	155	
106-46-7	1,4-Dichlorobenzene	152	
104-51-8	n-Butylbenzene	151	
95-50-1	1,2-Dichlorobenzene	150	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

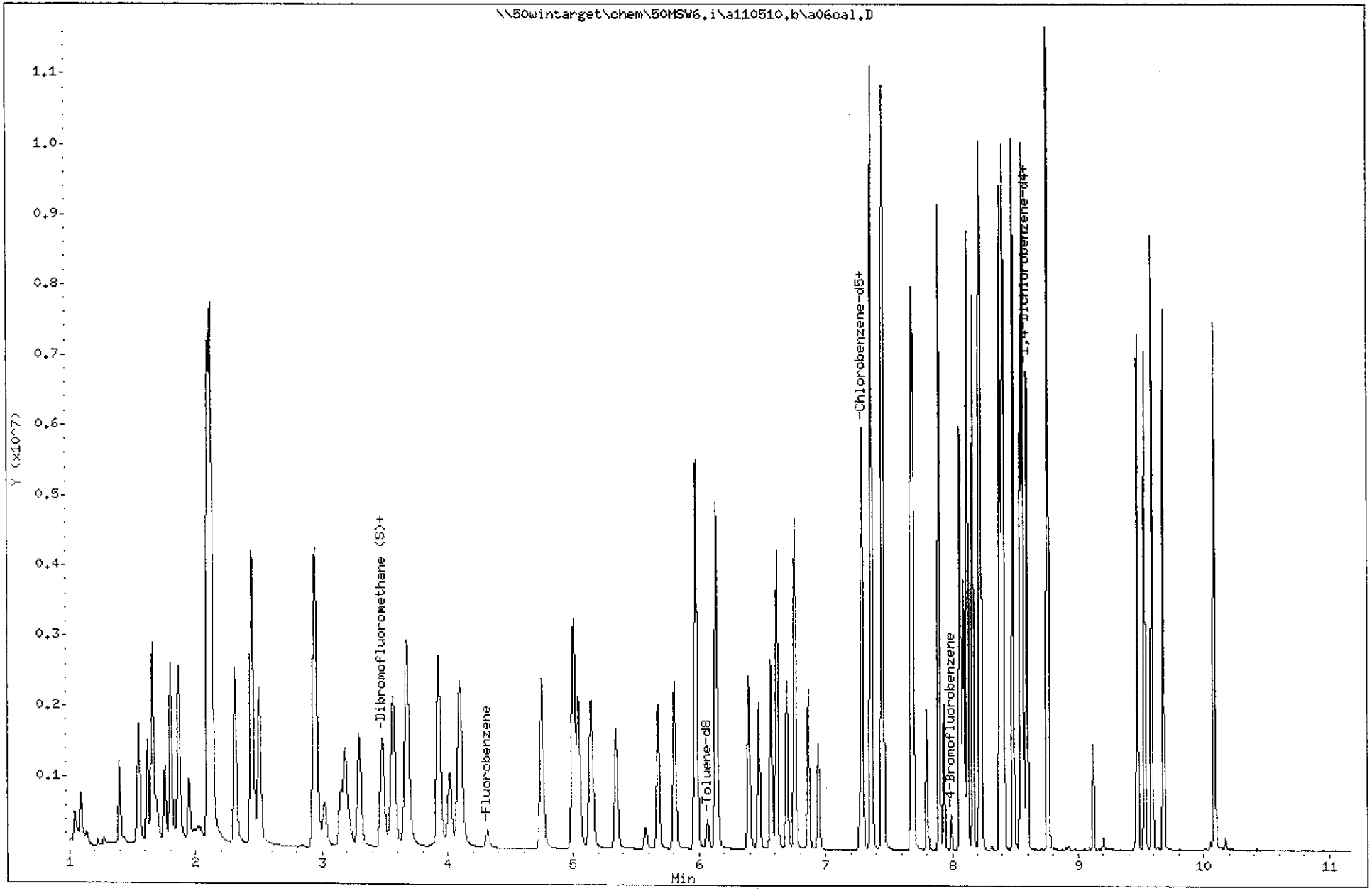
Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	163	
120-82-1	1,2,4-Trichlorobenzene	144	
87-68-3	Hexachlorobutadiene	155	
91-20-3	Naphthalene	170	
87-61-6	1,2,3-Trichlorobenzene	145	
	2,methyl-naphthalene	167	
1868-53-7	Dibromofluoromethane (S)	50.3	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	50.5	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a06cal.D
Date : 05-NOV-2010 21:43
Client ID:
Sample Info: 150ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a07cal.D
Lab Smp Id: 200ppb
Inj Date : 05-NOV-2010 22:20
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 200ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:20 Cal File: a07cal.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	1048545	200.000	220
2	Chloromethane	50	1.034	1.034	(0.240)	947437	200.000	227
3	Vinyl Chloride	62	1.082	1.087	(0.251)	780937	200.000	223
4	Bromomethane	94	1.221	1.232	(0.283)	105666	200.000	224
5	Chloroethane	64	1.269	1.285	(0.294)	133610	200.000	122
6	Trichlorofluoromethane	101	1.392	1.403	(0.323)	833769	200.000	186
7	1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.359)	554996	200.000	157
8	Diethyl ether	74	1.537	1.537	(0.356)	254226	400.000	327
18	2-methyl-2-propanol	59	2.029	2.013	(0.470)	278498	400.000	388
9	Acrolein	56	1.611	1.611	(0.374)	1290406	4000.00	4090
10	1,1,2trichlorotrifluoroethane	101	1.654	1.660	(0.384)	533678	200.000	180
11	1,1-Dichloroethene	96	1.660	1.665	(0.385)	482695	200.000	172
12	Acetone	43	1.686	1.686	(0.391)	658564	1000.00	1000
143	Acetonitrile	41	1.863	1.868	(0.432)	1018454	200.000	173(M)
13	Iodomethane	142	1.751	1.756	(0.406)	1257627	400.000	392
14	Carbon Disulfide	76	1.799	1.804	(0.417)	2938820	400.000	338
16	Methyl Acetate	43	1.858	1.857	(0.431)	493258	200.000	172(M)
15	allyl chloride	41	1.863	1.868	(0.432)	1020710	400.000	331(M)
17	Methylene Chloride	84	1.943	1.948	(0.451)	566322	200.000	188
19	Acrylonitrile	53	2.098	2.098	(0.487)	5743710	4000.00	3620
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.493)	4543294	400.000	363
21	1,2-Dichloroethene (trans)	96	2.125	2.130	(0.493)	866969	200.000	179
22	n-Hexane	57	2.312	2.318	(0.536)	1223084	200.000	178

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	147	chloroprene	53	2.500	2.505	(0.580)	1265885	200.000	181
	23	1,1-Dichloroethane	63	2.446	2.446	(0.567)	1533496	200.000	180
	24	Vinyl Acetate	43	2.441	2.441	(0.566)	3916036	800.000	696
	26	1,2-Dichloroethene (cis)	96	2.938	2.943	(0.681)	956483	200.000	186
	27	2,2-Dichloropropane	77	2.949	2.949	(0.684)	1224306	200.000	184
	28	2-Butanone	43	2.944	2.938	(0.683)	1988039	1000.00	897
	144	Methacrylonitrile	41	3.152	3.147	(0.731)	458806	200.000	182
	30	Bromochloromethane	49	3.184	3.184	(0.738)	681476	200.000	185
	31	Tetrahydrofuran	42	3.564	3.569	(0.826)	307187	200.000	176
	32	Chloroform	83	3.297	3.297	(0.764)	1616308	200.000	180
$	33	Dibromofluoromethane (S)	113	3.479	3.484	(0.807)	61398	50.0000	50.8
	34	1,1,1-Trichloroethane	97	3.484	3.484	(0.808)	1378043	200.000	192
	35	Cyclohexane	56	3.564	3.569	(0.826)	1448102	200.000	190
	36	Carbon Tetrachloride	117	3.671	3.676	(0.851)	1175376	200.000	190
	37	1,1-Dichloropropene	75	3.676	3.682	(0.852)	1239022	200.000	184
	39	Benzene	78	3.928	3.933	(0.911)	3445530	200.000	184
	141	2,2,4-Trimethylpentane	57	4.094	4.099	(0.949)	3445286	200.000	190
	40	1,2-Dichloroethane	62	4.019	4.019	(0.932)	1067860	200.000	183
	38	Isobutyl alcohol	43	4.094	4.099	(0.949)	537810	1000.00	953
*	41	Fluorobenzene	96	4.313	4.318	(1.000)	235484	50.0000	
	42	Trichloroethene	95	4.746	4.746	(1.100)	978199	200.000	185
	43	Methylcyclohexane	55	5.003	5.003	(1.160)	1233483	200.000	192
	142	1,4-Dioxane	88	5.153	5.142	(1.195)	16987	200.000	196
	44	1,2-Dichloropropane	63	5.041	5.041	(1.169)	900937	200.000	186
	45	Dibromomethane	93	5.132	5.132	(1.190)	568152	200.000	186
	46	Methyl methacrylate	69	5.148	5.148	(1.193)	583983	200.000	187
	47	Bromodichloromethane	83	5.340	5.340	(1.238)	1191249	200.000	198
	48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	959927	400.000	381
	49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	1447814	200.000	180
	50	4-Methyl-2-Pentanone	43	5.977	5.971	(0.822)	3672596	1000.00	852
$	51	Toluene-d8	98	6.062	6.062	(0.834)	231549	50.0000	48.3
	52	Toluene	91	6.132	6.132	(0.843)	3592901	200.000	188
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	1284876	200.000	182
	54	Ethyl Methacrylate	69	6.474	6.469	(0.890)	1005503	200.000	181
	55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	646607	200.000	174
	56	Tetrachloroethene	166	6.613	6.613	(0.910)	1141053	200.000	184
	57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	1247925	200.000	179
	58	2-Hexanone	43	6.758	6.758	(0.929)	2510969	1000.00	826
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	888317	200.000	196
	60	1,2-Dibromoethane	107	6.945	6.940	(0.955)	786394	200.000	181
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	176731	50.0000	
	62	Chlorobenzene	112	7.293	7.293	(1.003)	2386801	200.000	181
	63	1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	789798	200.000	183
	64	Ethylbenzene	106	7.362	7.362	(1.013)	1175828	200.000	178
	65	m&p-Xylene	106	7.453	7.448	(1.025)	2869986	400.000	352
	67	o-Xylene	106	7.683	7.683	(1.057)	1457904	200.000	173
	68	Styrene	104	7.694	7.694	(1.058)	2450342	200.000	181
	69	Bromoform	173	7.801	7.801	(0.909)	584286	200.000	186
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	3810524	200.000	178
$	72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	88442	50.0000	50.7
	74	Bromobenzene	77	8.063	8.063	(1.109)	1518522	200.000	184
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	1016996	200.000	180
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	1136218	200.000	186
	71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	226313	200.000	186

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	4260546	200.000	181
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	2676473	200.000	183
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	3185477	200.000	180
79	4-Chlorotoluene	126	8.170	8.165	(0.952)	891511	200.000	183
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	3660631	200.000	183
81	1,2,4-Trimethylbenzene	105	8.406	8.406	(0.979)	3230295	200.000	178
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	4181835	200.000	181
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	1788482	200.000	179
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	3454679	200.000	181
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	94025	50.0000	(Q)
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	1825272	200.000	179
87	n-Butylbenzene	91	8.753	8.753	(1.020)	3041049	200.000	172
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	1696804	200.000	176
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	201434	200.000	193
90	1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	1385458	200.000	168
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	814953	200.000	177
92	Naphthalene	128	9.588	9.588	(1.117)	3727529	200.000	199
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	1308134	200.000	170
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	2252811	200.000	196(H)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a07cal.D
Lab Smp Id: 200ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	235484	-9.34
61 Chlorobenzene-d5	176241	88121	352482	176731	0.28
85 1,4-Dichlorobenze	89014	44507	178028	94025	5.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.31	-0.12
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 200ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	220	
74-87-3	Chloromethane	227	
75-01-4	Vinyl Chloride	223	
74-83-9	Bromomethane	224	
75-00-3	Chloroethane	122	
75-69-4	Trichlorofluoromethane	186	
354-23-4	1,2-dichlorotrifluoroethane	157	
60-29-7	Diethyl ether	327	
75-65-0	2-methyl-2-propanol	388	
107-02-8	Acrolein	4090	
76-13-1	1,1,2trichlorotrifluoroethan	180	
75-35-4	1,1-Dichloroethene	172	
67-64-1	Acetone	1000	
75-05-8	Acetonitrile	173	
----------	Iodomethane	392	
75-15-0	Carbon Disulfide	338	
79-20-9	Methyl Acetate	172	
107-05-1	allyl chloride	331	
75-09-2	Methylene Chloride	188	
107-13-1	Acrylonitrile	3620	
1634-04-4	Methyl-tert-butyl ether	363	
156-60-5	1,2-Dichloroethene (trans)	179	
----------	n-Hexane	178	
126-99-8	chloroprene	181	
75-34-3	1,1-Dichloroethane	180	
108-05-4	Vinyl Acetate	696	
156-59-2	1,2-Dichloroethene (cis)	186	
594-20-7	2,2-Dichloropropane	184	
78-93-3	2-Butanone	897	
126-98-7	Methacrylonitrile	182	
74-97-5	Bromochloromethane	185	
----------	Tetrahydrofuran	176	
67-66-3	Chloroform	180	
71-55-6	1,1,1-Trichloroethane	192	
110-82-7	Cyclohexane	190	
56-23-5	Carbon Tetrachloride	190	
563-58-6	1,1-Dichloropropene	184	
71-43-2	Benzene	184	
540-84-1	2,2,4-Trimethylpentane	190	
107-06-2	1,2-Dichloroethane	183	
78-83-1	Isobutyl alcohol	953	
79-01-6	Trichloroethene	185	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 200ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	192	
----------	1,4-Dioxane	196	
78-87-5	1,2-Dichloropropane	186	
74-95-3	Dibromomethane	186	
80-62-6	Methyl methacrylate	187	
75-27-4	Bromodichloromethane	198	
110-75-8	2-Chloroethyl vinyl ether	381	
10061-01-5	cis-1,3-Dichloropropene	180	
108-10-1	4-Methyl-2-Pentanone	852	
108-88-3	Toluene	188	
10061-02-6	trans-1,3-Dichloropropene	182	
----------	Ethyl Methacrylate	181	
79-00-5	1,1,2-Trichloroethane	174	
127-18-4	Tetrachloroethene	184	
142-28-9	1,3-Dichloropropane	179	
591-78-6	2-Hexanone	826	
124-48-1	Dibromochloromethane	196	
106-93-4	1,2-Dibromoethane	181	
108-90-7	Chlorobenzene	181	
630-20-6	1,1,1,2-Tetrachloroethane	183	
100-41-4	Ethylbenzene	178	
7816-60-0	m&p-Xylene	352	
95-47-6	o-Xylene	173	
100-42-5	Styrene	181	
75-25-2	Bromoform	186	
98-82-8	Isopropylbenzene	178	
108-86-1	Bromobenzene	184	
79-34-5	1,1,2,2-Tetrachloroethane	180	
96-18-4	1,2,3-Trichloropropane	186	
----------	trans-1,4-Dichloro-2-butene	186	
103-65-1	n-Propylbenzene	181	
95-49-8	2-Chlorotoluene	183	
108-67-8	1,3,5-Trimethylbenzene	180	
106-43-4	4-Chlorotoluene	183	
98-06-6	tert-Butylbenzene	183	
95-63-6	1,2,4-Trimethylbenzene	178	
135-98-8	sec-Butylbenzene	181	
541-73-1	1,3-Dichlorobenzene	179	
99-87-6	p-Isopropyltoluene	181	
106-46-7	1,4-Dichlorobenzene	179	
104-51-8	n-Butylbenzene	172	
95-50-1	1,2-Dichlorobenzene	176	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

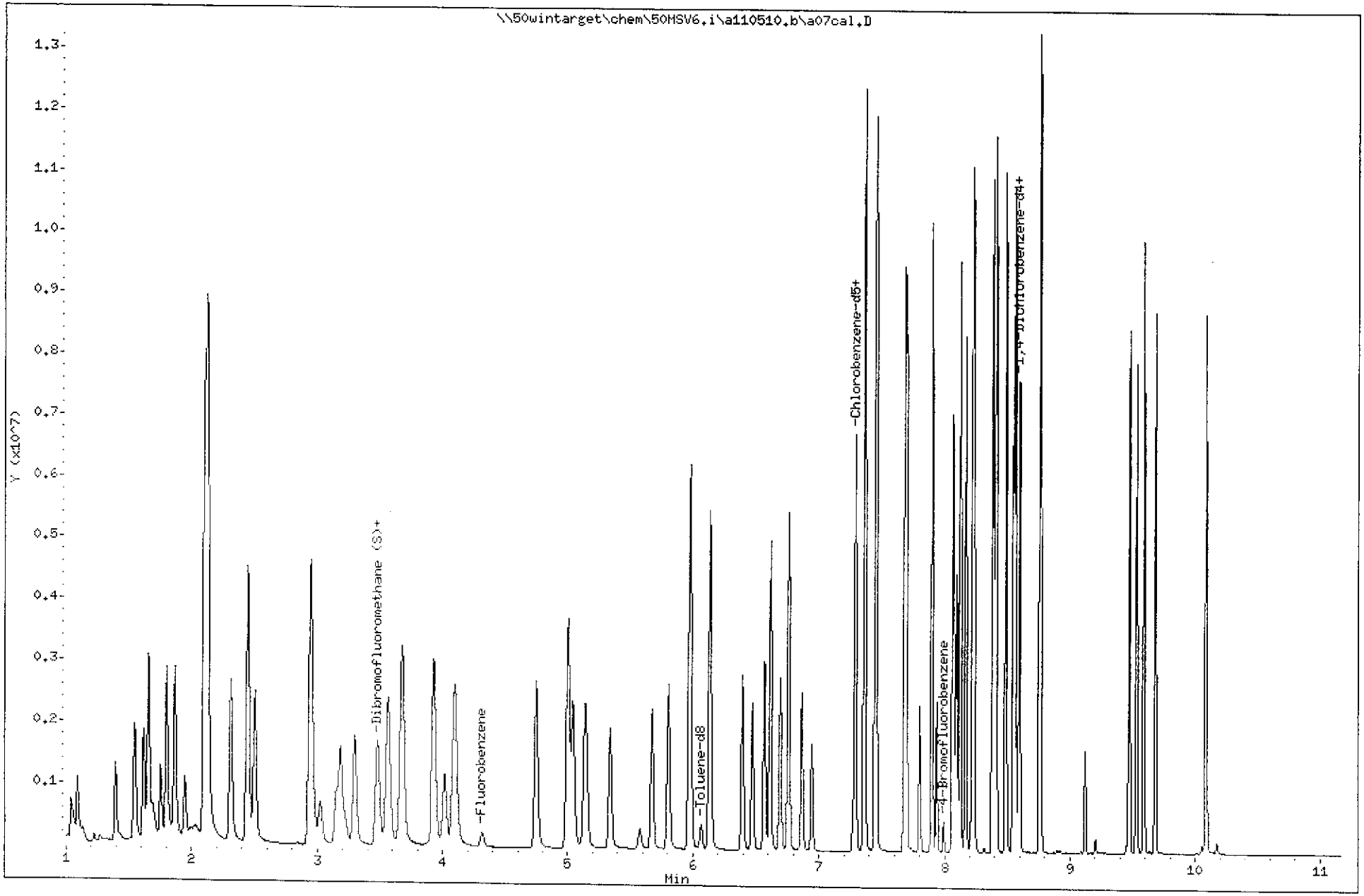
Client Name: Client SDG: a110510.b
Lab Smp Id: 200ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	193	
120-82-1	1,2,4-Trichlorobenzene	168	
87-68-3	Hexachlorobutadiene	177	
91-20-3	Naphthalene	199	
87-61-6	1,2,3-Trichlorobenzene	170	
----------	2,methyl-naphthalene	196	
1868-53-7	Dibromofluoromethane (S)	50.8	
2037-26-5	Toluene-d8	48.3	
460-00-4	4-Bromofluorobenzene	50.7	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a07cal.D
Date : 05-NOV-2010 22:20
Client ID:
Sample Info: 200ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a08cal.D
Lab Smp Id: 300ppb
Inj Date : 05-NOV-2010 22:58
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 300ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	1468033	300.000	285
2	Chloromethane	50	1.034	1.034	(0.240)	1387872	300.000	309
3	Vinyl Chloride	62	1.082	1.087	(0.251)	1079572	300.000	286
4	Bromomethane	94	1.221	1.232	(0.283)	127637	300.000	286
5	Chloroethane	64	1.269	1.285	(0.294)	138405	300.000	118
6	Trichlorofluoromethane	101	1.387	1.403	(0.322)	737347	300.000	153
7	1,2-dichlorotrifluoroethane	67	1.542	1.547	(0.358)	722768	300.000	190
8	Diethyl ether	74	1.531	1.537	(0.355)	360878	600.000	432
18	2-methyl-2-propanol	59	2.039	2.013	(0.473)	452613	600.000	589(QM)
9	Acrolein	56	1.611	1.611	(0.374)	1632625	6000.00	4810
10	1,1,2trichlorotrifluoroethane	101	1.649	1.660	(0.382)	875668	300.000	274
11	1,1-Dichloroethene	96	1.654	1.665	(0.384)	745184	300.000	247
12	Acetone	43	1.692	1.686	(0.392)	987893	1500.00	1410
143	Acetonitrile	41	1.863	1.868	(0.432)	1634494	300.000	258(M)
13	Iodomethane	142	1.751	1.756	(0.406)	1966291	600.000	574
14	Carbon Disulfide	76	1.799	1.804	(0.417)	4573482	600.000	488
16	Methyl Acetate	43	1.863	1.857	(0.432)	809135	300.000	261(M)
15	allyl chloride	41	1.863	1.868	(0.432)	1540822	600.000	464(QM)
17	Methylene Chloride	84	1.943	1.948	(0.451)	941524	300.000	297
19	Acrylonitrile	53	2.104	2.098	(0.488)	8371970	6000.00	4890
20	Methyl-tert-butyl ether	73	2.130	2.125	(0.494)	6893084	600.000	511
21	1,2-Dichloroethene (trans)	96	2.120	2.130	(0.492)	1322239	300.000	253
22	n-Hexane	57	2.307	2.318	(0.535)	2129915	300.000	288

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	147	chloroprene	53	2.499	2.505	(0.580)	2131907	300.000	283
	23	1,1-Dichloroethane	63	2.446	2.446	(0.567)	2510010	300.000	273
	24	Vinyl Acetate	43	2.441	2.441	(0.566)	6435117	1200.00	1060
	26	1,2-Dichloroethene (cis)	96	2.938	2.943	(0.681)	1589228	300.000	287
	27	2,2-Dichloropropane	77	2.944	2.949	(0.683)	1999527	300.000	279
	28	2-Butanone	43	2.949	2.938	(0.684)	3229209	1500.00	1350
	144	Methacrylonitrile	41	3.152	3.147	(0.731)	764700	300.000	282
	30	Bromochloromethane	49	3.184	3.184	(0.738)	1130246	300.000	285
	31	Tetrahydrofuran	42	3.564	3.569	(0.826)	514340	300.000	273
	32	Chloroform	83	3.297	3.297	(0.764)	2714515	300.000	280
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.808)	62831	50.0000	48.3
	34	1,1,1-Trichloroethane	97	3.484	3.484	(0.808)	2324639	300.000	300
	35	Cyclohexane	56	3.564	3.569	(0.826)	2437741	300.000	298
	36	Carbon Tetrachloride	117	3.671	3.676	(0.851)	1991022	300.000	300
	37	1,1-Dichloropropene	75	3.676	3.682	(0.852)	2090723	300.000	288
	39	Benzene	78	3.933	3.933	(0.912)	5865392	300.000	292
	141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.950)	5698513	300.000	292
	40	1,2-Dichloroethane	62	4.019	4.019	(0.932)	1807022	300.000	288
	38	Isobutyl alcohol	43	4.094	4.099	(0.949)	889590	1500.00	1460
*	41	Fluorobenzene	96	4.313	4.318	(1.000)	253641	50.0000	
	42	Trichloroethene	95	4.746	4.746	(1.100)	1658243	300.000	292
	43	Methylcyclohexane	55	5.003	5.003	(1.160)	2048405	300.000	297
	142	1,4-Dioxane	88	5.142	5.142	(1.192)	27560	300.000	295
	44	1,2-Dichloropropane	63	5.041	5.041	(1.169)	1542436	300.000	295
	45	Dibromomethane	93	5.132	5.132	(1.190)	951028	300.000	290
	46	Methyl methacrylate	69	5.148	5.148	(1.193)	1031471	300.000	305
	47	Bromodichloromethane	83	5.340	5.340	(1.238)	2027711	300.000	313
	48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	1591448	600.000	594
	49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	2453175	300.000	286
	50	4-Methyl-2-Pentanone	43	5.977	5.971	(0.822)	5862206	1500.00	1280
$	51	Toluene-d8	98	6.062	6.062	(0.834)	244127	50.0000	47.8
	52	Toluene	91	6.132	6.132	(0.843)	5977138	300.000	297
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	2198427	300.000	293
	54	Ethyl Methacrylate	69	6.474	6.469	(0.890)	1803077	300.000	305
	55	1,1,2-Trichloroethane	83	6.571	6.565	(0.904)	1110623	300.000	281
	56	Tetrachloroethene	166	6.613	6.613	(0.910)	1813837	300.000	275
	57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	2117972	300.000	286
	58	2-Hexanone	43	6.763	6.758	(0.930)	4184747	1500.00	1290
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	1527098	300.000	316
	60	1,2 Dibromoethane	107	6.945	6.940	(0.955)	1342004	300.000	290
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	188150	50.0000	
	62	Chlorobenzene	112	7.293	7.293	(1.003)	3932343	300.000	280
	63	1,1,1,2-Tetrachloroethane	131	7.362	7.357	(1.013)	1250160	300.000	273
	64	Ethylbenzene	106	7.368	7.362	(1.013)	1889528	300.000	268
	65	m&p-Xylene	106	7.453	7.448	(1.025)	4517087	600.000	520
	67	o-Xylene	106	7.683	7.683	(1.057)	2367978	300.000	264
	68	Styrene	104	7.699	7.694	(1.059)	3989152	300.000	276
	69	Bromoform	173	7.801	7.801	(0.909)	1037597	300.000	306
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	6065352	300.000	266
$	72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	97934	50.0000	52.7
	74	Bromobenzene	77	8.063	8.063	(1.109)	2546031	300.000	290
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	1702541	300.000	282
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	1915526	300.000	293
	71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	392438	300.000	303

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	76 n-Propylbenzene	91	8.127	8.122	(0.947)	6918225	300.000	274
	77 2-Chlorotoluene	91	8.170	8.165	(0.952)	4398781	300.000	281
	78 1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	4951291	300.000	261
	79 4-Chlorotoluene	126	8.170	8.165	(0.952)	1486851	300.000	285
	80 tert-Butylbenzene	119	8.379	8.379	(0.976)	5774655	300.000	271
	81 1,2,4-Trimethylbenzene	105	8.406	8.406	(0.979)	5022637	300.000	258
	82 sec-Butylbenzene	105	8.486	8.486	(0.989)	6473619	300.000	262
	83 1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	2911151	300.000	273
	84 p-Isopropyltoluene	119	8.561	8.561	(0.998)	5239908	300.000	256
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	100505	50.0000	(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	2923068	300.000	269
	87 n-Butylbenzene	91	8.753	8.753	(1.020)	4635261	300.000	246
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	2600635	300.000	252
	89 1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	340296	300.000	306
	90 1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	2217318	300.000	251
	91 Hexachlorobutadiene	225	9.534	9.529	(1.111)	1371762	300.000	278
	92 Naphthalene	128	9.588	9.588	(1.117)	5548184	300.000	282
	93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	2103555	300.000	255
	94 2,methyl-naphthalene	142	10.085	10.085	(1.175)	3480372	300.000	287 (H)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a08cal.D
Lab Smp Id: 300ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	253641	-2.35
61 Chlorobenzene-d5	176241	88121	352482	188150	6.76
85 1,4-Dichlorobenze	89014	44507	178028	100505	12.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.31	-0.12
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: a110510.b
Lab Smp Id: 300ppb
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: jlf
Misc Info:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	285	
74-87-3	Chloromethane	309	
75-01-4	Vinyl Chloride	286	
74-83-9	Bromomethane	286	
75-00-3	Chloroethane	118	
75-69-4	Trichlorofluoromethane	153	
354-23-4	1,2-dichlorotrifluoroethane	190	
60-29-7	Diethyl ether	432	
75-65-0	2-methyl-2-propanol	589	
107-02-8	Acrolein	4810	
76-13-1	1,1,2trichlorotrifluoroethan	274	
75-35-4	1,1-Dichloroethene	247	
67-64-1	Acetone	1410	
75-05-8	Acetonitrile	258	
----------	Iodomethane	574	
75-15-0	Carbon Disulfide	488	
79-20-9	Methyl Acetate	261	
107-05-1	allyl chloride	464	
75-09-2	Methylene Chloride	297	
107-13-1	Acrylonitrile	4890	
1634-04-4	Methyl-tert-butyl ether	511	
156-60-5	1,2-Dichloroethene (trans)	253	
----------	n-Hexane	288	
126-99-8	chloroprene	283	
75-34-3	1,1-Dichloroethane	273	
108-05-4	Vinyl Acetate	1060	
156-59-2	1,2-Dichloroethene (cis)	287	
594-20-7	2,2-Dichloropropane	279	
78-93-3	2-Butanone	1350	
126-98-7	Methacrylonitrile	282	
74-97-5	Bromochloromethane	285	
----------	Tetrahydrofuran	273	
67-66-3	Chloroform	280	
71-55-6	1,1,1-Trichloroethane	300	
110-82-7	Cyclohexane	298	
56-23-5	Carbon Tetrachloride	300	
563-58-6	1,1-Dichloropropene	288	
71-43-2	Benzene	292	
540-84-1	2,2,4-Trimethylpentane	292	
107-06-2	1,2-Dichloroethane	288	
78-83-1	Isobutyl alcohol	1460	
79-01-6	Trichloroethene	292	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	297	
----------	1,4-Dioxane	295	
78-87-5	1,2-Dichloropropane	295	
74-95-3	Dibromomethane	290	
80-62-6	Methyl methacrylate	305	
75-27-4	Bromodichloromethane	313	
110-75-8	2-Chloroethyl vinyl ether	594	
10061-01-5	cis-1,3-Dichloropropene	286	
108-10-1	4-Methyl-2-Pentanone	1280	
108-88-3	Toluene	297	
10061-02-6	trans-1,3-Dichloropropene	293	
----------	Ethyl Methacrylate	305	
79-00-5	1,1,2-Trichloroethane	281	
127-18-4	Tetrachloroethene	275	
142-28-9	1,3-Dichloropropane	286	
591-78-6	2-Hexanone	1290	
124-48-1	Dibromochloromethane	316	
106-93-4	1,2-Dibromoethane	290	
108-90-7	Chlorobenzene	280	
630-20-6	1,1,1,2-Tetrachloroethane	273	
100-41-4	Ethylbenzene	268	
7816-60-0	m&p-Xylene	520	
95-47-6	o-Xylene	264	
100-42-5	Styrene	276	
75-25-2	Bromoform	306	
98-82-8	Isopropylbenzene	266	
108-86-1	Bromobenzene	290	
79-34-5	1,1,2,2-Tetrachloroethane	282	
96-18-4	1,2,3-Trichloropropane	293	
----------	trans-1,4-Dichloro-2-butene	303	
103-65-1	n-Propylbenzene	274	
95-49-8	2-Chlorotoluene	281	
108-67-8	1,3,5-Trimethylbenzene	261	
106-43-4	4-Chlorotoluene	285	
98-06-6	tert-Butylbenzene	271	
95-63-6	1,2,4-Trimethylbenzene	258	
135-98-8	sec-Butylbenzene	262	
541-73-1	1,3-Dichlorobenzene	273	
99-87-6	p-Isopropyltoluene	256	
106-46-7	1,4-Dichlorobenzene	269	
104-51-8	n-Butylbenzene	246	
95-50-1	1,2-Dichlorobenzene	252	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b

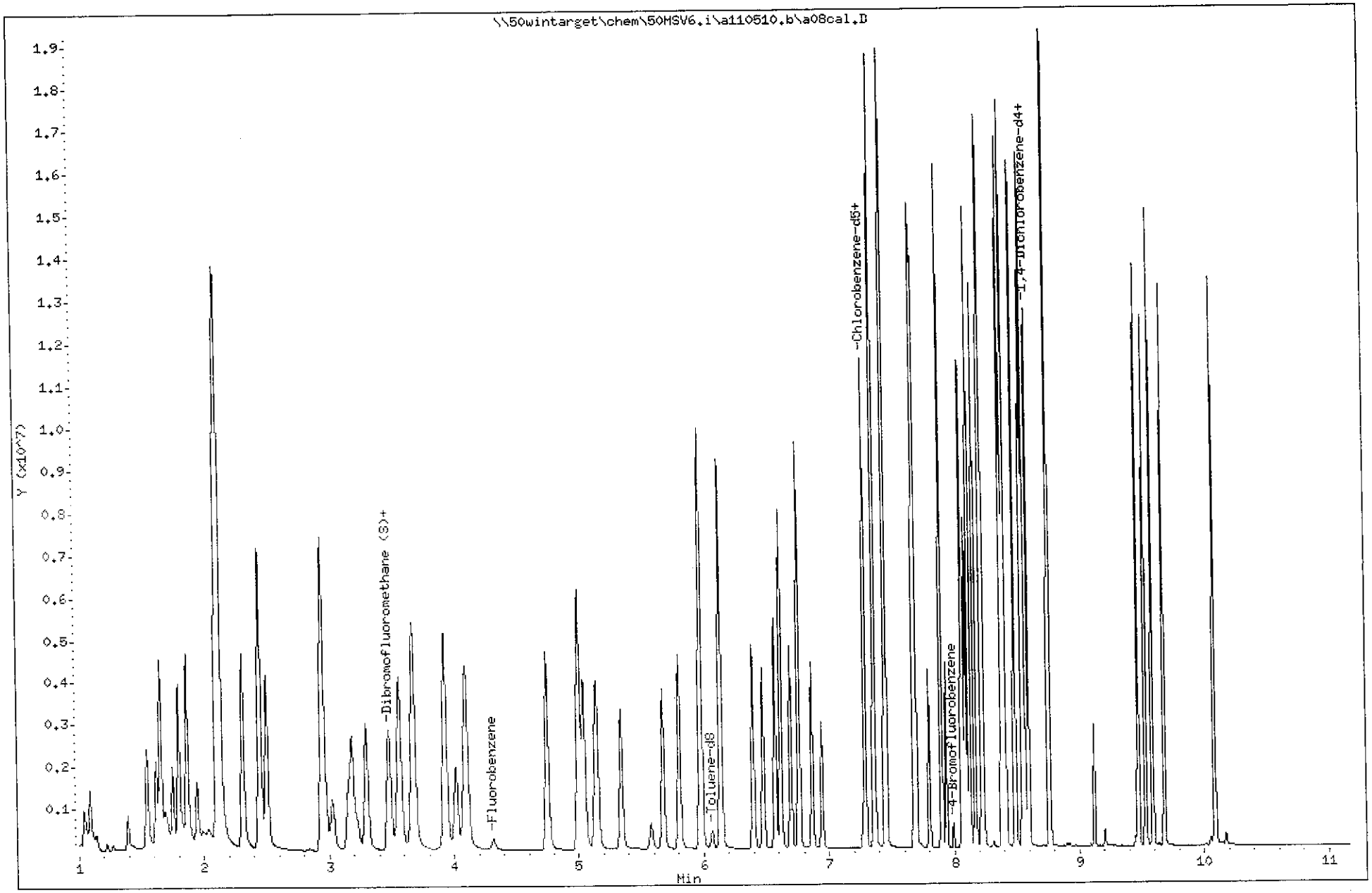
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	306	
120-82-1	1,2,4-Trichlorobenzene	251	
87-68-3	Hexachlorobutadiene	278	
91-20-3	Naphthalene	282	
87-61-6	1,2,3-Trichlorobenzene	255	
----------	2,methyl-naphthalene	287	
1868-53-7	Dibromofluoromethane (S)	48.3	
2037-26-5	Toluene-d8	47.8	
460-00-4	4-Bromofluorobenzene	52.7	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a08cal.D
Date : 05-NOV-2010 22:58
Client ID:
Sample Info: 300ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a08cal.D

Date : 05-NOV-2010 22:58

Client ID:

Instrument: 50MSV6.i

Sample Info: 300ppb

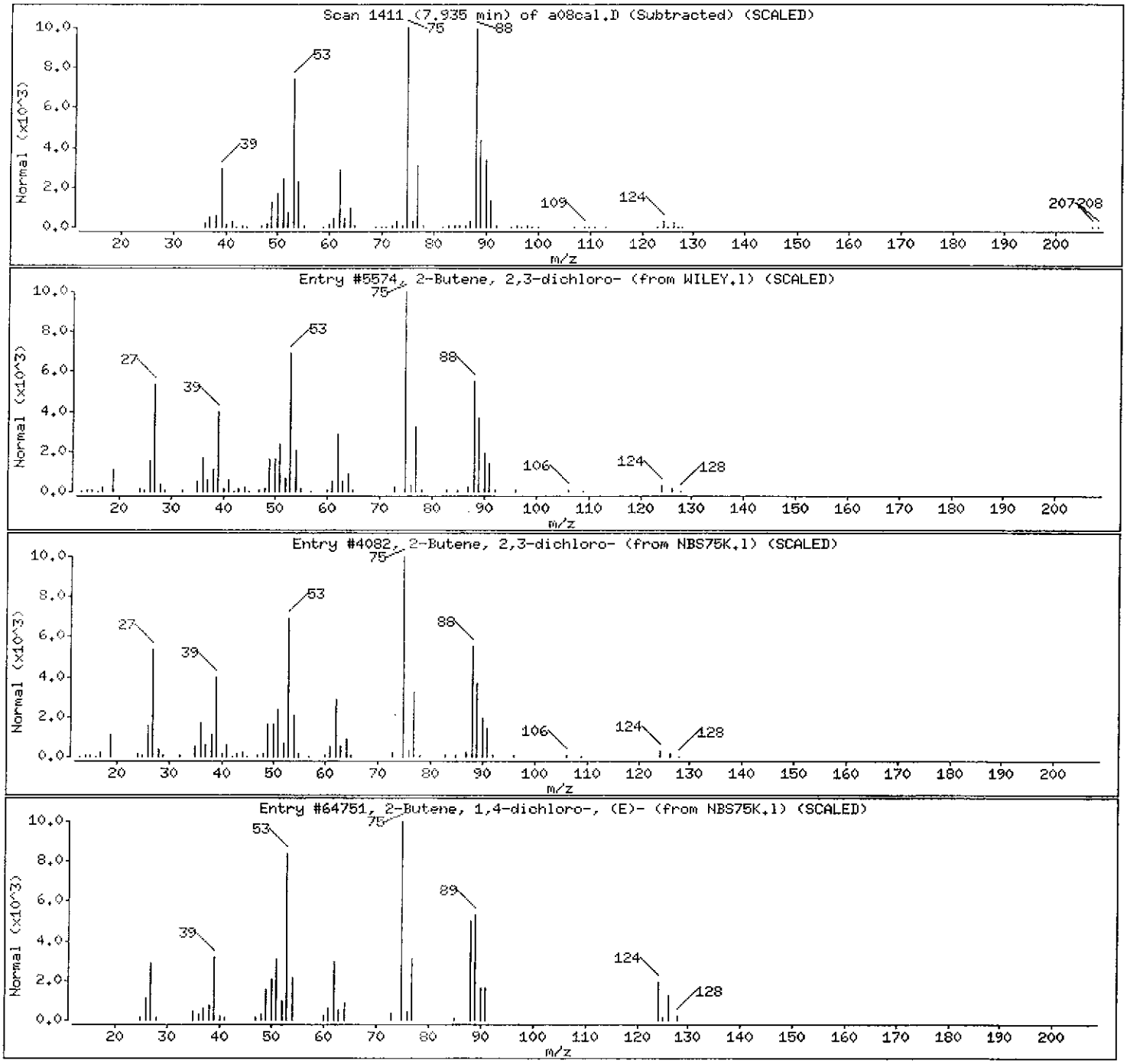
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	94	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	94	C4H6Cl2	124
2-Butene, 1,4-dichloro-, (E)-	110-57-6	NBS75K.l	64751	78	C4H6Cl2	124



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a110510.b\a09icv.D
Lab Smp Id: icv 34C-141 Client Smp ID: icv
Inj Date : 05-NOV-2010 23:35
Operator : jlf Inst ID: 50MSV6.i
Smp Info : icv 34C-141
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Meth Date : 06-Nov-2010 14:18 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	335422	63.6390	63.6
2 Chloromethane	50	1.039	1.034	(0.241)	236748	51.4965	51.5
3 Vinyl Chloride	62	1.087	1.087	(0.252)	222408	58.0544	58.0
4 Bromomethane	94	1.237	1.232	(0.286)	72481	79.6259	79.6(R)
5 Chloroethane	64	1.285	1.285	(0.298)	74281	61.5804	61.6
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	284332	57.4495	57.4
7 1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	178870	45.9429	45.9
8 Diethyl ether	74	1.536	1.537	(0.356)	81546	94.0821	94.1(R)
18 2-methyl-2-propanol	59	2.012	2.013	(0.466)	79872	94.9394	94.9(Q)
9 Acrolein	56	1.611	1.611	(0.373)	482665	1374.25	1370(R)
10 1,1,2trichlorotrifluoroethane	101	1.665	1.660	(0.386)	139183	42.4302	42.4
11 1,1-Dichloroethene	96	1.670	1.665	(0.387)	149590	48.4005	48.4
12 Acetone	43	1.686	1.686	(0.391)	235429	303.357	303
143 Acetonitrile	41	1.873	1.868	(0.434)	317797	48.9082	48.9
13 Iodomethane	142	1.761	1.756	(0.408)	338219	88.7594	88.8
14 Carbon Disulfide	76	1.809	1.804	(0.419)	881610	91.9095	91.9
16 Methyl Acetate	43	1.863	1.857	(0.431)	122121	38.4878	38.5
15 allyl chloride	41	1.873	1.868	(0.434)	317797	93.4253	93.4
17 Methylene Chloride	84	1.948	1.948	(0.451)	188811	49.4420	49.4
19 Acrylonitrile	53	2.098	2.098	(0.486)	1757223	1002.16	1000
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1348305	97.4964	97.5
21 1,2-Dichloroethene (trans)	96	2.130	2.130	(0.493)	268473	50.2124	50.2
22 n-Hexane	57	2.317	2.318	(0.537)	356435	47.0118	47.0

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	147 chloroprene	53	2.505	2.505	(0.580)	319998	41.4554	41.4
	23 1,1-Dichloroethane	63	2.451	2.446	(0.568)	449918	47.7204	47.7
	24 Vinyl Acetate	43	2.440	2.441	(0.565)	1637317	263.656	264 (R)
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	292533	51.5108	51.5
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	357699	48.7921	48.8
	28 2-Butanone	43	2.938	2.938	(0.680)	601618	245.974	246
	144 Methacrylonitrile	41	3.147	3.147	(0.729)	124576	44.8877	44.9
	30 Bromochloromethane	49	3.184	3.184	(0.737)	202294	49.7166	49.7
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	78520	40.6709	40.7
	32 Chloroform	83	3.302	3.297	(0.765)	448376	45.1817	45.2
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	66744	50.0915	50.1
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	392172	49.4010	49.4
	35 Cyclohexane	56	3.569	3.569	(0.827)	362771	41.0952	41.1
	145 isopropyl acetate	61	1.087	1.087	(0.252)	19175		(Q)
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	328246	48.2068	48.2
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	366711	49.3228	49.3
	39 Benzene	78	3.933	3.933	(0.911)	1019276	49.4474	49.4
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	1098726	54.9485	54.9
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	313691	48.7622	48.8
	38 Isobutyl alcohol	43	4.051	4.099	(0.938)	2047113	3286.37	3290 (Q)
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	259907	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	271962	46.6856	46.7
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	315851	42.3231	42.3
	142 1,4-Dioxane	88	5.147	5.142	(1.192)	72327	754.328	754 (Q)
	44 1,2-Dichloropropane	63	5.046	5.041	(1.168)	251223	46.9569	47.0
	45 Dibromomethane	93	5.131	5.132	(1.188)	163673	48.6619	48.7
	46 Methyl methacrylate	69	5.147	5.148	(1.192)	604444	175.202	175
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	323141	48.7233	48.7
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	73920	28.2336	28.2
	49 cis-1,3-Dichloropropene	75	5.805	5.806	(0.798)	394670	48.5856	48.6
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	1024932	236.092	236
$	51 Toluene-d8	98	6.062	6.062	(0.834)	244923	50.6681	50.7
	52 Toluene	91	6.132	6.132	(0.843)	1036187	51.0768	51.1
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	335173	47.1817	47.2
	54 Ethyl Methacrylate	69	6.474	6.469	(0.890)	1030215	184.160	184
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	183957	49.1315	49.1
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	266255	42.6522	42.6
	57 1,3-Dichloropropane	76	6.693	6.699	(0.921)	350077	49.8501	49.8
	58 2-Hexanone	43	6.758	6.758	(0.929)	727591	237.531	238
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	220413	48.1885	48.2
	60 1,2-Dibromoethane	107	6.940	6.940	(0.954)	222112	50.8064	50.8
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	178114	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	656831	49.3927	49.4
	63 1,1,1,2-Tetrachloroethane	131	7.357	7.357	(1.012)	218426	50.3389	50.3
	64 Ethylbenzene	106	7.362	7.362	(1.013)	330523	49.5222	49.5
	65 m&p-Xylene	106	7.453	7.448	(1.025)	816258	99.3688	99.4
	67 o-Xylene	106	7.683	7.683	(1.057)	413221	48.7018	48.7
	68 Styrene	104	7.694	7.694	(1.058)	691228	50.5510	50.6
	69 Bromoform	173	7.801	7.801	(0.909)	133185	46.0946	46.1
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	1036903	48.0854	48.1
$	72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	85025	48.3641	48.4
	74 Bromobenzene	77	8.063	8.063	(1.109)	412689	49.6683	49.7
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	278519	50.2585	50.2
	75 1,2,3-Trichloropropane	75	8.090	8.095	(0.943)	547986	91.2243	91.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	221291	180.234	180(Q)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	1189662	51.3855	51.4
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	740705	51.5999	51.6
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	914332	52.5254	52.5
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	248904	51.9388	51.9
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	791558	40.3944	40.4
81	1,2,4-Trimethylbenzene	105	8.405	8.406	(0.979)	900133	50.4539	50.4
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	1205716	53.0772	53.1
83	1,3-Dichlorobenzene	146	8.544	8.545	(0.996)	499979	50.9864	51.0
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	970683	51.7297	51.7
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	92293	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	511069	51.1580	51.2
87	n-Butylbenzene	91	8.753	8.753	(1.020)	894547	51.6169	51.6
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	490204	51.6761	51.7
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	52484	51.3445	51.3
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	408720	50.4063	50.4
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	229416	50.6835	50.7
92	Naphthalene	128	9.588	9.588	(1.117)	1215468	56.5929	56.6
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	393897	52.0256	52.0
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	778067	64.1964	64.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a09icv.D
Lab Smp Id: icv 34C-141
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 06-NOV-2010
Calibration Time: 01:27
Client Smp ID: icv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	255712	127856	511424	259907	1.64
61 Chlorobenzene-d5	172744	86372	345488	178114	3.11
85 1,4-Dichlorobenze	88969	44485	177938	92293	3.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a110510.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: icv 34C-141
Client Smp ID: icv
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: ICV
SpikeList File: 8260ICVxx.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a110510.b\-A8260SL_A_B.m
Misc Info:

SPIKE	COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	63.6	127.28	70-130
2	Chloromethane	50.0	51.5	102.99	70-130
3	Vinyl Chloride	50.0	58.0	116.11	70-130
4	Bromomethane	50.0	79.6	159.25*	70-130
5	Chloroethane	50.0	61.6	123.16	70-130
6	Trichlorofluoromet	50.0	57.4	114.90	70-130
7	1,2-dichlorotriflu	50.0	45.9	91.89	70-130
8	Diethyl ether	50.0	94.1	188.16*	70-130
9	Acrolein	1000	1370	137.43*	70-130
11	1,1-Dichloroethene	50.0	48.4	96.80	70-130
10	1,1,2trichlorotrif	50.0	42.4	84.86	70-130
12	Acetone	250	303	121.34	70-130
13	Iodomethane	100	88.8	88.76	70-130
14	Carbon Disulfide	100	91.9	91.91	70-130
16	Methyl Acetate	50.0	38.5	76.98	70-130
15	allyl chloride	100	93.4	93.43	70-130
17	Methylene Chloride	50.0	49.4	98.88	70-130
19	Acrylonitrile	1000	1000	100.22	70-130
21	1,2-Dichloroethene	50.0	50.2	100.42	70-130
20	Methyl-tert-butyl	100	97.5	97.50	70-130
22	n-Hexane	50.0	47.0	94.02	70-130
23	1,1-Dichloroethane	50.0	47.7	95.44	70-130
24	Vinyl Acetate	200	264	131.83*	70-130
26	1,2-Dichloroethene	50.0	51.5	103.02	70-130
27	2,2-Dichloropropan	50.0	48.8	97.58	70-130
28	2-Butanone	250	246	98.39	70-130
30	Bromochloromethane	50.0	49.7	99.43	70-130
32	Chloroform	50.0	45.2	90.36	70-130
34	1,1,1-Trichloroeth	50.0	49.4	98.80	70-130
35	Cyclohexane	50.0	41.1	82.19	70-130
37	1,1-Dichloropropen	50.0	49.3	98.65	70-130
36	Carbon Tetrachlori	50.0	48.2	96.41	70-130
39	Benzene	50.0	49.4	98.89	70-130
40	1,2-Dichloroethane	50.0	48.8	97.52	70-130
42	Trichloroethene	50.0	46.7	93.37	70-130
43	Methylcyclohexane	50.0	42.3	84.65	70-130
44	1,2-Dichloropropan	50.0	47.0	93.91	70-130
45	Dibromomethane	50.0	48.7	97.32	70-130
46	Methyl methacrylat	200	175	87.60	70-130
47	Bromodichlorometha	50.0	48.7	97.45	70-130

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
49 cis-1,3-Dichloropr	50.0	48.6	97.17	70-130
50 4-Methyl-2-Pentano	250	236	94.44	70-130
52 Toluene	50.0	51.1	102.15	70-130
53 trans-1,3-Dichloro	50.0	47.2	94.36	70-130
54 Ethyl Methacrylate	200	184	92.08	70-130
55 1,1,2-Trichloroeth	50.0	49.1	98.26	70-130
56 Tetrachloroethene	50.0	42.6	85.30	70-130
57 1,3-Dichloropropan	50.0	49.8	99.70	70-130
58 2-Hexanone	250	238	95.01	70-130
59 Dibromochlorometha	50.0	48.2	96.38	70-130
60 1,2-Dibromoethane	50.0	50.8	101.61	70-130
62 Chlorobenzene	50.0	49.4	98.79	70-130
63 1,1,1,2-Tetrachlor	50.0	50.3	100.68	70-130
64 Ethylbenzene	50.0	49.5	99.04	70-130
65 m&p-Xylene	100	99.4	99.37	70-130
67 o-Xylene	50.0	48.7	97.40	70-130
68 Styrene	50.0	50.6	101.10	70-130
69 Bromoform	50.0	46.1	92.19	70-130
70 Isopropylbenzene	50.0	48.1	96.17	70-130
71 trans-1,4-Dichloro	200	180	90.12	70-130
73 1,1,2,2-Tetrachlor	50.0	50.2	100.52	70-130
74 Bromobenzene	50.0	49.7	99.34	70-130
75 1,2,3-Trichloropro	100	91.2	91.22	70-130
76 n-Propylbenzene	50.0	51.4	102.77	70-130
77 2-Chlorotoluene	50.0	51.6	103.20	70-130
79 4-Chlorotoluene	50.0	51.9	103.88	70-130
78 1,3,5-Trimethylben	50.0	52.5	105.05	70-130
80 tert-Butylbenzene	50.0	40.4	80.79	70-130
81 1,2,4-Trimethylben	50.0	50.4	100.91	70-130
82 sec-Butylbenzene	50.0	53.1	106.15	70-130
83 1,3-Dichlorobenzen	50.0	51.0	101.97	70-130
84 p-Isopropyltoluene	50.0	51.7	103.46	70-130
86 1,4-Dichlorobenzen	50.0	51.2	102.32	70-130
87 n-Butylbenzene	50.0	51.6	103.23	70-130
88 1,2-Dichlorobenzen	50.0	51.7	103.35	70-130
90 1,2,4-Trichloroben	50.0	50.4	100.81	70-130
93 1,2,3-Trichloroben	50.0	52.0	104.05	70-130
89 1,2-Dibromo-3-chlo	50.0	51.3	102.69	70-130
91 Hexachlorobutadien	50.0	50.7	101.37	70-130
92 Naphthalene	50.0	56.6	113.19	70-130

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.1	100.18	80-123
$ 51 Toluene-d8	50.0	50.7	101.34	80-116
$ 72 4-Bromofluorobenze	50.0	48.4	96.73	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv 34C-141
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	63.6	
74-87-3	Chloromethane	51.5	
75-01-4	Vinyl Chloride	58.0	
74-83-9	Bromomethane	79.6	
75-00-3	Chloroethane	61.6	
75-69-4	Trichlorofluoromethane	57.4	
354-23-4	1,2-dichlorotrifluoroethane	45.9	
60-29-7	Diethyl ether	94.1	
75-65-0	2-methyl-2-propanol	94.9	
107-02-8	Acrolein	1370	
76-13-1	1,1,2trichlorotrifluoroethan	42.4	
75-35-4	1,1-Dichloroethene	48.4	
67-64-1	Acetone	303	
75-05-8	Acetonitrile	48.9	
	Iodomethane	88.8	
75-15-0	Carbon Disulfide	91.9	
79-20-9	Methyl Acetate	38.5	
107-05-1	allyl chloride	93.4	
75-09-2	Methylene Chloride	49.4	
107-13-1	Acrylonitrile	1000	
1634-04-4	Methyl-tert-butyl ether	97.5	
156-60-5	1,2-Dichloroethene (trans)	50.2	
	n-Hexane	47.0	
126-99-8	chloroprene	41.4	
75-34-3	1,1-Dichloroethane	47.7	
108-05-4	Vinyl Acetate	264	
156-59-2	1,2-Dichloroethene (cis)	51.5	
594-20-7	2,2-Dichloropropane	48.8	
78-93-3	2-Butanone	246	
126-98-7	Methacrylonitrile	44.9	
74-97-5	Bromochloromethane	49.7	
	Tetrahydrofuran	40.7	
67-66-3	Chloroform	45.2	
71-55-6	1,1,1-Trichloroethane	49.4	
110-82-7	Cyclohexane	41.1	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	48.2	
563-58-6	1,1-Dichloropropene	49.3	
71-43-2	Benzene	49.4	
540-84-1	2,2,4-Trimethylpentane	54.9	
107-06-2	1,2-Dichloroethane	48.8	
78-83-1	Isobutyl alcohol	3290	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv 34C-141
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	46.7	
108-87-2	Methylcyclohexane	42.3	
----------	1,4-Dioxane	754	
78-87-5	1,2-Dichloropropane	47.0	
74-95-3	Dibromomethane	48.7	
80-62-6	Methyl methacrylate	175	
75-27-4	Bromodichloromethane	48.7	
110-75-8	2-Chloroethyl vinyl ether	28.2	
10061-01-5	cis-1,3-Dichloropropene	48.6	
108-10-1	4-Methyl-2-Pentanone	236	
108-88-3	Toluene	51.1	
10061-02-6	trans-1,3-Dichloropropene	47.2	
----------	Ethyl Methacrylate	184	
79-00-5	1,1,2-Trichloroethane	49.1	
127-18-4	Tetrachloroethene	42.6	
142-28-9	1,3-Dichloropropane	49.8	
591-78-6	2-Hexanone	238	
124-48-1	Dibromochloromethane	48.2	
106-93-4	1,2-Dibromoethane	50.8	
108-90-7	Chlorobenzene	49.4	
630-20-6	1,1,1,2-Tetrachloroethane	50.3	
100-41-4	Ethylbenzene	49.5	
7816-60-0	m&p-Xylene	99.4	
95-47-6	o-Xylene	48.7	
100-42-5	Styrene	50.6	
75-25-2	Bromoform	46.1	
98-82-8	Isopropylbenzene	48.1	
108-86-1	Bromobenzene	49.7	
79-34-5	1,1,2,2-Tetrachloroethane	50.2	
96-18-4	1,2,3-Trichloropropane	91.2	
----------	trans-1,4-Dichloro-2-butene	180	
103-65-1	n-Propylbenzene	51.4	
95-49-8	2-Chlorotoluene	51.6	
108-67-8	1,3,5-Trimethylbenzene	52.5	
106-43-4	4-Chlorotoluene	51.9	
98-06-6	tert-Butylbenzene	40.4	
95-63-6	1,2,4-Trimethylbenzene	50.4	
135-98-8	sec-Butylbenzene	53.1	
541-73-1	1,3-Dichlorobenzene	51.0	
99-87-6	p-Isopropyltoluene	51.7	
106-46-7	1,4-Dichlorobenzene	51.2	
104-51-8	n-Butylbenzene	51.6	

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TARGET COMPOUNDS

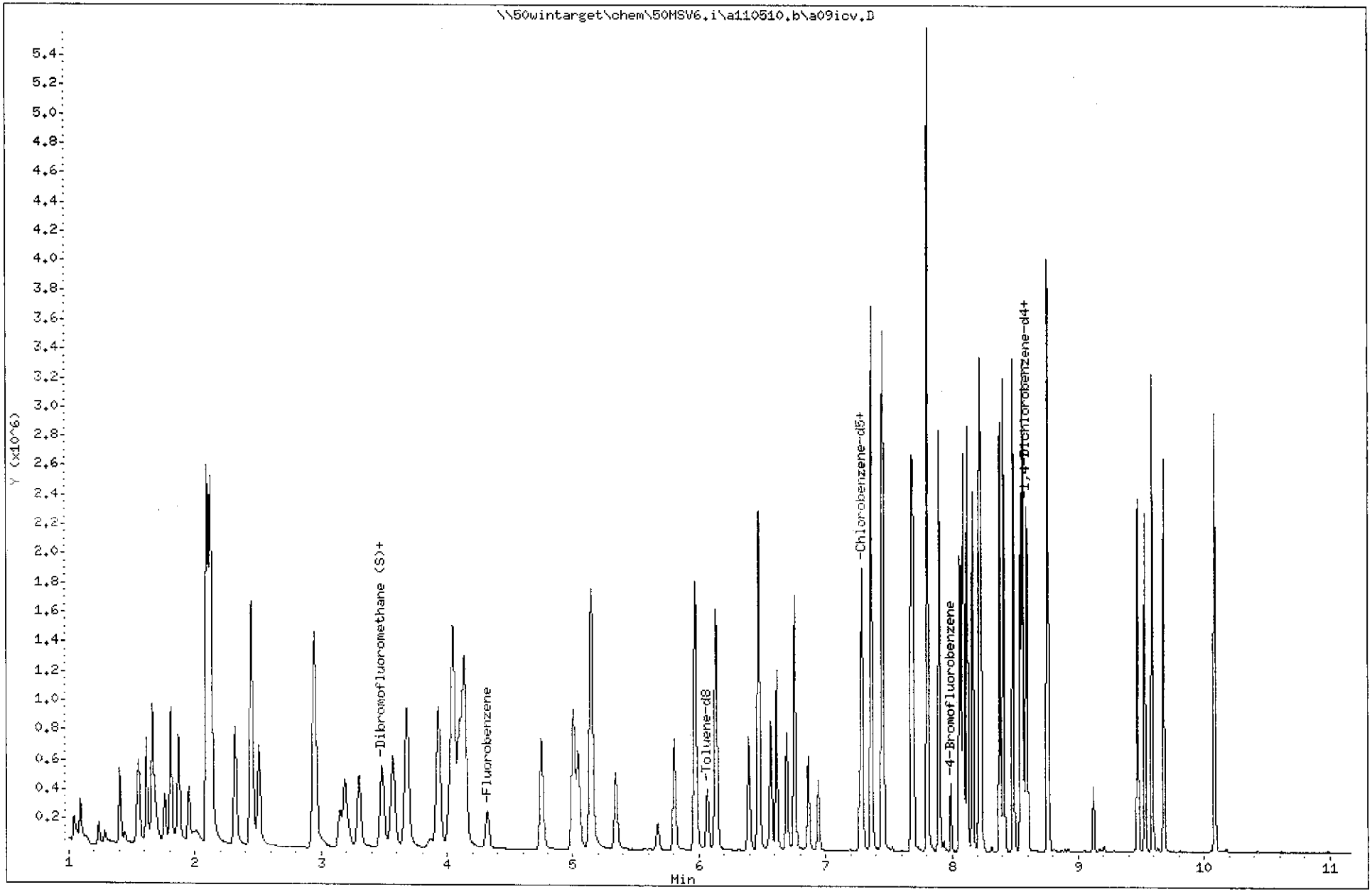
Client Name:
Lab Smp Id: icv 34C-141
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a110510.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
95-50-1	1,2-Dichlorobenzene	51.7	
96-12-8	1,2-Dibromo-3-chloropropane	51.3	
120-82-1	1,2,4-Trichlorobenzene	50.4	
87-68-3	Hexachlorobutadiene	50.7	
91-20-3	Naphthalene	56.6	
87-61-6	1,2,3-Trichlorobenzene	52.0	
----------	2,methyl-naphthalene	64.2	
1868-53-7	Dibromofluoromethane (S)	50.1	
2037-26-5	Toluene-d8	50.7	
460-00-4	4-Bromofluorobenzene	48.4	

Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a09icv.D
Date : 05-NOV-2010 23:35
Client ID: icv
Sample Info: icv 34C-141
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a110510.b\a09icv.D

Date : 05-NOV-2010 23:35

Client ID: icv

Instrument: 50MSV6.i

Sample Info: icv 34C-141

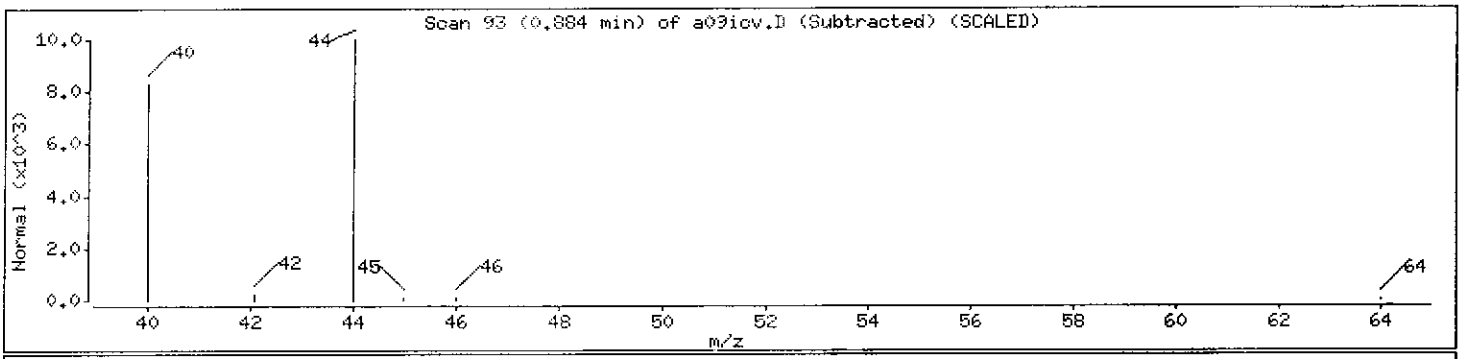
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



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VOA 8260B
GC/MS Volatiles

Section 3: Calibration Verification Data

** Calibration Verification Summary Table*
** BFB Tune Information*
** Calibration Verification Standards*

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Lab File ID: A00BFB BFB Injection Date: 11/11/10

Instrument ID: 50MSV6 BFB Injection Time: 1225

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	95.0 - 101.0% of mass 174	77.3 (96.9)1
177	5.0 - 9.0% of mass 176	5.2 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV 34C-142/15	A01CCV	11/11/10	1302
02	LCS	507021	A02LCS	11/11/10	1340
03	MB	507020	A03MB	11/11/10	1417
04	5043009013	5043009013	A04	11/11/10	1455
05	5043009001	5043009001	A05	11/11/10	1532
06	5043009002	5043009002	A06	11/11/10	1609
07	5043009003	5043009003	A07	11/11/10	1647
08	5043009004	5043009004	A08	11/11/10	1724
09	5043009005	5043009005	A09	11/11/10	1802
10	MS5043009005	507022	A10	11/11/10	1839
11	MSD504300900	507023	A11	11/11/10	1917
12	5043009006	5043009006	A12	11/11/10	1954
13	5043009007	5043009007	A13	11/11/10	2032
14	5043009008	5043009008	A14	11/11/10	2109
15	5043009009	5043009009	A15	11/11/10	2146
16	5043009010	5043009010	A16	11/11/10	2224
17	5043009011	5043009011	A17	11/11/10	2301
18	5043009014	5043009014	A18	11/11/10	2339
19	5043009012	5043009012	A19	11/12/10	0016
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Instrument ID: 50MSV6 Calibration Date: 11/11/10 Time: 1302

Lab File ID: A01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	47.7	50.0	AVRG	4.6	20.0	
Chloromethane	39.5	50.0	AVRG	21.0	20.0	<-
Bromomethane	49.6	50.0	2ORDR	0.8	20.0	
Vinyl Chloride	45.4	50.0	LINR	9.2	20.0	
Chloroethane	47.4	50.0	AVRG	5.2	20.0	
Methylene Chloride	48.0	50.0	LINR	4.0	20.0	
1,1-Dichloroethene	50.2	50.0	AVRG	-0.4	20.0	
1,1-Dichloroethane	48.4	50.0	AVRG	3.2	20.0	
1,2-Dichloroethene (trans)	50.7	50.0	AVRG	-1.4	20.0	
Chloroform	46.6	50.0	AVRG	6.8	20.0	
1,2-Dichloroethane	47.0	50.0	AVRG	6.0	20.0	
1,1,1-Trichloroethane	38.3	50.0	AVRG	23.4	20.0	<-
Carbon Tetrachloride	32.7	50.0	AVRG	34.6	20.0	<-
Bromodichloromethane	43.5	50.0	AVRG	13.0	20.0	
1,2-Dichloropropane	47.1	50.0	AVRG	5.8	20.0	
trans-1,3-Dichloropropene	34.3	50.0	AVRG	31.4	20.0	<-
Trichloroethene	48.2	50.0	AVRG	3.6	20.0	
Dibromochloromethane	43.4	50.0	AVRG	13.2	20.0	
1,1,2-Trichloroethane	49.4	50.0	AVRG	1.2	20.0	
Benzene	48.6	50.0	AVRG	2.8	20.0	
cis-1,3-Dichloropropene	41.2	50.0	AVRG	17.6	20.0	
Bromoform	39.2	50.0	LINR	21.6	20.0	<-
Tetrachloroethene	49.2	50.0	AVRG	1.6	20.0	
1,1,2,2-Tetrachloroethane	49.4	50.0	AVRG	1.2	20.0	
Toluene	51.3	50.0	LINR	-2.6	20.0	
Chlorobenzene	51.4	50.0	AVRG	-2.8	20.0	
Ethylbenzene	49.6	50.0	AVRG	0.8	20.0	
Styrene	48.0	50.0	AVRG	4.0	20.0	
Trichlorofluoromethane	53.7	50.0	AVRG	-7.4	20.0	
m&p-Xylene	98.2	100	AVRG	1.8	20.0	
1,2-Dichloroethene (cis)	49.4	50.0	AVRG	1.2	20.0	
o-Xylene	48.3	50.0	AVRG	3.4	20.0	
1,2,3-Trichloropropane	41.6	50.0	AVRG	16.8	20.0	
1,3-Dichlorobenzene	51.8	50.0	AVRG	-3.6	20.0	
1,4-Dichlorobenzene	51.1	50.0	AVRG	-2.2	20.0	
Dibromomethane	48.7	50.0	AVRG	2.6	20.0	
1,2-Dichlorobenzene	52.7	50.0	AVRG	-5.4	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Instrument ID: 50MSV6 Calibration Date: 11/11/10 Time: 1302

Lab File ID: A01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	49.4	50.0	AVRG	1.2	20.0	
2,2-Dichloropropane	25.5	50.0	AVRG	49.0	20.0	<-
1,1-Dichloropropene	49.3	50.0	AVRG	1.4	20.0	
1,3-Dichloropropane	49.5	50.0	AVRG	1.0	20.0	
1,2-Dibromoethane	48.2	50.0	AVRG	3.6	20.0	
1,1,1,2-Tetrachloroethane	40.7	50.0	AVRG	18.6	20.0	
Isopropylbenzene	50.3	50.0	AVRG	-0.6	20.0	
Bromobenzene	47.6	50.0	AVRG	4.8	20.0	
n-Propylbenzene	52.4	50.0	AVRG	-4.8	20.0	
2-Chlorotoluene	51.0	50.0	AVRG	-2.0	20.0	
4-Chlorotoluene	53.0	50.0	AVRG	-6.0	20.0	
1,3,5-Trimethylbenzene	53.3	50.0	AVRG	-6.6	20.0	
tert-Butylbenzene	52.7	50.0	AVRG	-5.4	20.0	
1,2,4-Trimethylbenzene	51.7	50.0	AVRG	-3.4	20.0	
sec-Butylbenzene	54.8	50.0	AVRG	-9.6	20.0	
p-Isopropyltoluene	53.8	50.0	AVRG	-7.6	20.0	
n-Butylbenzene	52.5	50.0	AVRG	-5.0	20.0	
1,2-Dibromo-3-chloropropane	42.6	50.0	AVRG	14.8	20.0	
1,2,4-Trichlorobenzene	53.7	50.0	AVRG	-7.4	20.0	
Hexachlorobutadiene	52.7	50.0	AVRG	-5.4	20.0	
Naphthalene	47.8	50.0	LINR	4.4	20.0	
1,2,3-Trichlorobenzene	52.6	50.0	AVRG	-5.2	20.0	
Acrolein	739	1000	LINR	26.1	20.0	<-
Carbon Disulfide	96.9	100	AVRG	3.1	20.0	
Acetone	216	250	LINR	13.6	20.0	
Acrylonitrile	966	1000	AVRG	3.4	20.0	
Vinyl Acetate	146	200	AVRG	27.0	20.0	<-
2-Butanone	226	250	AVRG	9.6	20.0	
2-Chloroethyl vinyl ether	103	100	LINR	-3.0	20.0	
4-Methyl-2-Pentanone	226	250	AVRG	9.6	20.0	
2-Hexanone	208	250	AVRG	16.8	20.0	
Methyl-tert-butyl ether	86.1	100	AVRG	13.9	20.0	
Iodomethane	108	100	LINR	-8.0	20.0	
trans-1,4-Dichloro-2-butene	37.7	50.0	LINR	24.6	20.0	<-
Ethyl Methacrylate	39.1	50.0	AVRG	21.8	20.0	<-
2,methyl-naphthalene	52.5	50.0	LINR	-5.0	20.0	
n-Hexane	48.7	50.0	AVRG	2.6	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Instrument ID: 50MSV6 Calibration Date: 11/11/10 Time: 1302

Lab File ID: A01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	53.0	50.0	AVRG	-6.0	20.0	
1,2-dichlorotrifluoroethane	45.7	50.0	AVRG	8.6	20.0	
Tetrahydrofuran	47.7	50.0	AVRG	4.6	20.0	
allyl chloride	88.1	100	AVRG	11.9	20.0	
Diethyl ether	92.2	100	LINR	7.8	20.0	
Isobutyl alcohol	248	250	AVRG	0.8	20.0	
Methyl methacrylate	39.7	50.0	LINR	20.6	20.0	<-
2-methyl-2-propanol	35.5	100	LINR	64.5	20.0	<-
Methyl Acetate	44.7	50.0	AVRG	10.6	20.0	
Cyclohexane	47.8	50.0	LINR	4.4	20.0	
Methylcyclohexane	46.7	50.0	LINR	6.6	20.0	
2,2,4-Trimethylpentane	49.7	50.0	AVRG	0.6	20.0	
1,4-Dioxane	45.9	50.0	LINR	8.2	20.0	
Acetonitrile	46.1	50.0	AVRG	7.8	20.0	
Methacrylonitrile	42.8	50.0	AVRG	14.4	20.0	
isopropyl acetate	0.000	50.0	AVRG	100.0	20.0	<-
n-amyl acetate	0.000	50.0	AVRG	100.0	20.0	<-
chloroprene	47.4	50.0	AVRG	5.2	20.0	
Toluene-d8	51.0	50.0	AVRG	-2.0	20.0	
4-Bromofluorobenzene	46.5	50.0	AVRG	7.0	20.0	
Dibromofluoromethane (S)	50.5	50.0	AVRG	-1.0	20.0	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a00bfb.D

Date : 11-NOV-2010 12:25

Client ID: bfb050

Instrument: 50MSV6.i

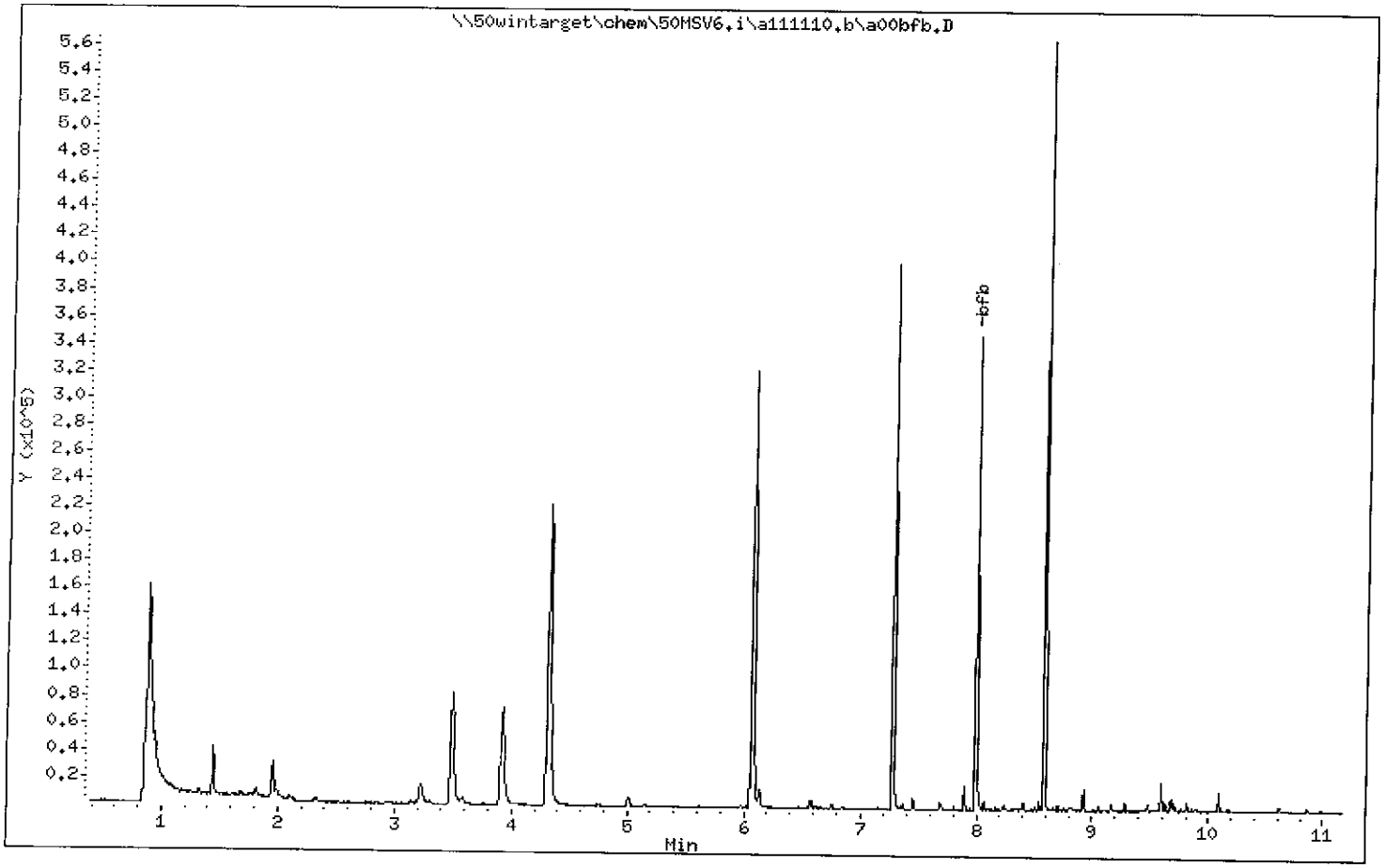
Sample Info: bfb 34C-157

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a00bfb.D

Date : 11-NOV-2010 12:25

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: bfb 34C-157

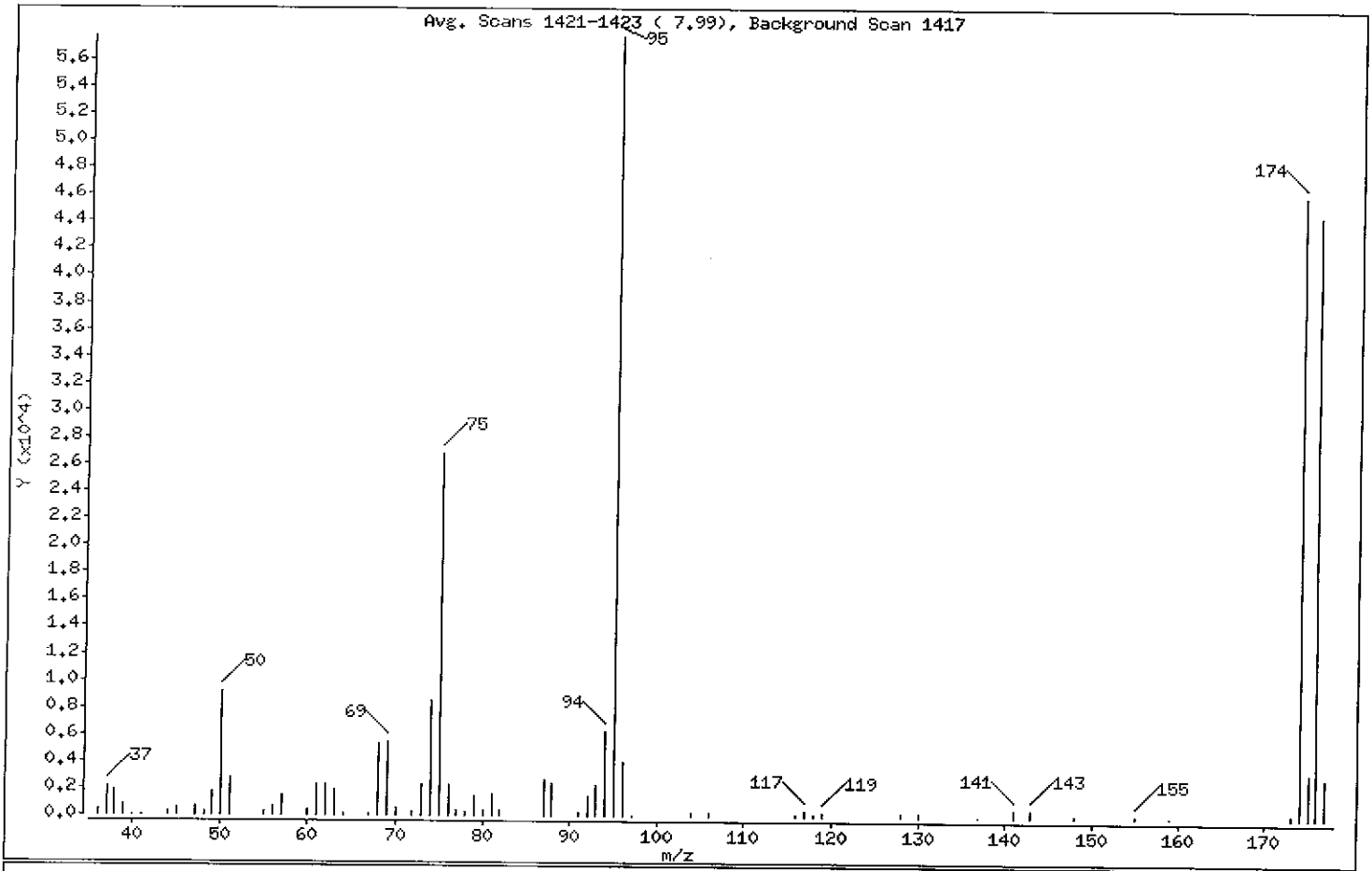
Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.85
75	30.00 - 60.00% of mass 95	46.50
96	5.00 - 9.00% of mass 95	6.98
173	Less than 2.00% of mass 174	0.54 (0.68)
174	50.00 - 100.00% of mass 95	79.76
175	5.00 - 9.00% of mass 174	5.79 (7.26)
176	95.00 - 101.00% of mass 174	77.29 (96.91)
177	5.00 - 9.00% of mass 176	5.17 (6.69)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a00bfb.D

Date : 11-NOV-2010 12:25

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: bfb 34C-157

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

Data File: a00bfb.D

Spectrum: Avg. Scans 1421-1423 (7.99), Background Scan 1417

Location of Maximum: 95.00

Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	393	61.00	2273	81.00	1547	128.00	223
37.00	2078	62.00	2267	82.00	339	130.00	230
38.00	1848	63.00	1797	87.00	2668	137.00	51
39.00	800	64.00	71	88.00	2449	141.00	596
40.00	2	67.00	76	91.00	220	143.00	561
41.00	51	68.00	5337	92.00	1495	148.00	123
44.00	322	69.00	5400	93.00	2265	155.00	117
45.00	486	70.00	466	94.00	6184	159.00	56
47.00	660	72.00	294	95.00	57704	173.00	313
48.00	269	73.00	2300	96.00	4028	174.00	46024
49.00	1769	74.00	8451	97.00	57	175.00	3342
50.00	9146	75.00	26832	104.00	266	176.00	44600
51.00	2846	76.00	2302	106.00	234	177.00	2983
55.00	233	77.00	436	116.00	84		
56.00	727	78.00	263	117.00	353		
57.00	1469	79.00	1452	118.00	195		
60.00	443	80.00	385	119.00	288		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a01ccv.D
Lab Smp Id: ccv 34C-142/159 Client Smp ID: ccv
Inj Date : 11-NOV-2010 13:02
Operator : jlf Inst ID: 50MSV6.i
Smp Info : ccv 34C-142/159
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	237661	50.0000	49.4
2 Chloromethane	50	1.039	1.039	(0.241)	165837	50.0000	39.5
3 Vinyl Chloride	62	1.087	1.087	(0.252)	158556	50.0000	45.4
4 Bromomethane	94	1.232	1.232	(0.285)	53373	50.0000	49.6
5 Chloroethane	64	1.280	1.280	(0.296)	52166	50.0000	47.4
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	242547	50.0000	53.7
7 1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	162581	50.0000	45.7
8 Diethyl ether	74	1.536	1.536	(0.356)	72988	100.000	92.2
18 2-methyl-2-propanol	59	2.018	2.018	(0.467)	30805	100.000	35.5(M)
9 Acrolein	56	1.611	1.611	(0.373)	239470	1000.00	739
10 1,1,2trichlorotrifluoroethane	101	1.660	1.660	(0.384)	158714	50.0000	53.0
11 1,1-Dichloroethene	96	1.665	1.665	(0.386)	141864	50.0000	50.2
12 Acetone	43	1.686	1.686	(0.391)	159247	250.000	216
143 Acetonitrile	41	1.868	1.868	(0.433)	273678	50.0000	46.1
13 Iodomethane	142	1.756	1.756	(0.407)	370782	100.000	108
14 Carbon Disulfide	76	1.804	1.804	(0.418)	848555	100.000	96.9
16 Methyl Acetate	43	1.857	1.857	(0.430)	129629	50.0000	44.7
15 allyl chloride	41	1.868	1.868	(0.433)	273678	100.000	88.1
17 Methylene Chloride	84	1.948	1.948	(0.451)	168298	50.0000	48.0
19 Acrylonitrile	53	2.098	2.098	(0.486)	1547682	1000.00	966
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1087051	100.000	86.1
21 1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	247694	50.0000	50.7

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	22 n-Hexane	57	2.318	2.318	(0.537)	337138	50.0000	48.7
	147 chloroprene	53	2.505	2.505	(0.580)	334563	50.0000	47.4
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	416490	50.0000	48.4
	24 Vinyl Acetate	43	2.441	2.441	(0.565)	829746	200.000	146
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	256252	50.0000	49.4
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	171061	50.0000	25.5
	28 2-Butanone	43	2.943	2.943	(0.682)	504373	250.000	226
	144 Methacrylonitrile	41	3.152	3.152	(0.730)	108532	50.0000	42.8
	30 Bromochloromethane	49	3.184	3.184	(0.737)	177393	50.0000	47.7
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	84141	50.0000	47.7
	32 Chloroform	83	3.302	3.302	(0.765)	422722	50.0000	46.6
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	61418	50.0000	50.5
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	278036	50.0000	38.3
	35 Cyclohexane	56	3.569	3.569	(0.827)	381880	50.0000	47.8
	145 isopropyl acetate	61	1.087	1.087	(0.252)	13140	50.0000	
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	203642	50.0000	32.7
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	334948	50.0000	49.3
	39 Benzene	78	3.933	3.933	(0.911)	915806	50.0000	48.6
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	907416	50.0000	49.7
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	275979	50.0000	47.0
	38 Isobutyl alcohol	43	4.099	4.099	(0.949)	141157	250.000	248
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	237364	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	256510	50.0000	48.2
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	316238	50.0000	46.7
	142 1,4-Dioxane	88	5.142	5.142	(1.191)	3922	50.0000	45.9
	44 1,2-Dichloropropane	63	5.046	5.046	(1.168)	230140	50.0000	47.1
	45 Dibromomethane	93	5.131	5.131	(1.188)	149614	50.0000	48.7
	46 Methyl methacrylate	69	5.148	5.148	(1.192)	121325	50.0000	39.7
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	263676	50.0000	43.5
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	233302	100.000	103
	49 cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	296066	50.0000	41.2
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	866791	250.000	226
$	51 Toluene-d8	98	6.068	6.068	(0.834)	217915	50.0000	51.0
	52 Toluene	91	6.132	6.132	(0.843)	920747	50.0000	51.3
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	215585	50.0000	34.3
	54 Ethyl Methacrylate	69	6.474	6.474	(0.890)	193292	50.0000	39.1
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	163712	50.0000	49.4
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	271625	50.0000	49.2
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	307480	50.0000	49.5
	58 2-Hexanone	43	6.758	6.758	(0.929)	564337	250.000	208
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	175717	50.0000	43.4
	60 1,2-Dibromoethane	107	6.945	6.945	(0.955)	186465	50.0000	48.2
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	157497	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	604835	50.0000	51.4
	63 1,1,1,2-Tetrachloroethane	131	7.362	7.362	(1.013)	156290	50.0000	40.7
	64 Ethylbenzene	106	7.362	7.362	(1.013)	292976	50.0000	49.6
	65 m&p-Xylene	106	7.453	7.453	(1.025)	713343	100.000	98.2
	67 o-Xylene	106	7.683	7.683	(1.057)	362404	50.0000	48.3
	68 Styrene	104	7.694	7.694	(1.058)	580194	50.0000	48.0
	69 Bromoform	173	7.801	7.801	(0.909)	96117	50.0000	39.2
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	958399	50.0000	50.3
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	72354	50.0000	46.5
	74 Bromobenzene	77	8.063	8.063	(1.109)	349471	50.0000	47.6
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	236363	50.0000	49.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	215501	50.0000	41.6
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	41763	50.0000	37.7
76	n-Propylbenzene	91	8.122	8.122	(0.946)	1047625	50.0000	52.4
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	632608	50.0000	51.0
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	800882	50.0000	53.3
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	219133	50.0000	53.0
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	892110	50.0000	52.7
81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	796823	50.0000	51.7
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	1074393	50.0000	54.8
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	438075	50.0000	51.8
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	871877	50.0000	53.8
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	79662	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	440788	50.0000	51.1
87	n-Butylbenzene	91	8.753	8.753	(1.020)	786062	50.0000	52.5
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	431237	50.0000	52.7
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	37584	50.0000	42.6
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	376104	50.0000	53.7
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	205915	50.0000	52.7
92	Naphthalene	128	9.588	9.588	(1.117)	918339	50.0000	47.8
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	343633	50.0000	52.6
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	561544	50.0000	52.5

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a01ccv.D
Lab Smp Id: ccv 34C-142/159
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 12-NOV-2010
Calibration Time: 01:31
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	237364	-8.62
61 Chlorobenzene-d5	176241	88121	352482	157497	-10.64
85 1,4-Dichlorobenze	89014	44507	178028	79662	-10.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 11-NOV-2010 13:02
Lab File ID: a01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv 34C-142/159 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	1.01396	1.00125	1.00125	0.100	-1.25323	20.00000	Averaged	
2 Chloromethane	0.88442	0.69866	0.69866	0.100	-21.00387	20.00000	Averaged	<-
3 Vinyl Chloride	50.00000	45.45130	0.66799	0.100	-9.09739	0.000e+000	Linear	
4 Bromomethane	50.00000	49.63759	0.22486	0.100	-0.72483	0.000e+000	Quadratic	
5 Chloroethane	0.23205	0.21977	0.21977	0.100	-5.29230	20.00000	Averaged	
6 Trichlorofluoromethane	0.95212	1.02184	1.02184	0.100	7.32217	20.00000	Averaged	
7 1,2-dichlorotrifluoroethane	0.74898	0.68494	0.68494	0.100	-8.55001	20.00000	Averaged	
8 Diethyl ether	100	92.17666	0.15375	0.100	-7.82334	0.000e+000	Linear	
18 2-methyl-2-propanol	100	35.53461	0.06489	0.100	-64.46539	0.000e+000	Linear	
9 Acrolein	1000	739	0.05044	0.100	-26.13920	0.000e+000	Linear	
10 1,1,2trichlorotrifluoroetha	0.63105	0.66865	0.66865	0.100	5.95894	20.00000	Averaged	
11 1,1-Dichloroethene	0.59457	0.59766	0.59766	0.100	0.51993	20.00000	Averaged	
12 Acetone	250	216	0.13418	0.100	-13.55380	0.000e+000	Linear	
143 Acetonitrile	1.25003	1.15299	1.15299	0.100	-7.76298	20.00000	Averaged	
13 Iodomethane	100	108	0.78104	0.100	8.35930	0.000e+000	Linear	
14 Carbon Disulfide	1.84531	1.78746	1.78746	0.100	-3.13500	20.00000	Averaged	
16 Methyl Acetate	0.61041	0.54612	0.54612	0.100	-10.53193	20.00000	Averaged	
15 allyl chloride	0.65439	0.57649	0.57649	0.100	-11.90367	20.00000	Averaged	
17 Methylene Chloride	50.00000	47.99889	0.70903	0.100	-4.00222	0.000e+000	Linear	
19 Acrylonitrile	0.33732	0.32601	0.32601	0.100	-3.35125	20.00000	Averaged	
20 Methyl-tert-butyl ether	2.66043	2.28984	2.28984	0.100	-13.92964	20.00000	Averaged	
21 1,2-Dichloroethene (trans)	1.02859	1.04352	1.04352	0.100	1.45154	20.00000	Averaged	
22 n-Hexane	1.45856	1.42034	1.42034	0.100	-2.62056	20.00000	Averaged	
147 chloroprene	1.48497	1.40949	1.40949	0.100	-5.08291	20.00000	Averaged	
23 1,1-Dichloroethane	1.81376	1.75465	1.75465	0.100	-3.25940	20.00000	Averaged	
24 Vinyl Acetate	1.19467	0.87392	0.87392	0.100	-26.84860	20.00000	Averaged	<-
26 1,2-Dichloroethene (cis)	1.09252	1.07957	1.07957	0.100	-1.18475	20.00000	Averaged	
27 2,2-Dichloropropane	1.41033	0.72067	0.72067	0.100	-48.90054	20.00000	Averaged	<-
28 2-Butanone	0.47053	0.42498	0.42498	0.100	-9.68027	20.00000	Averaged	
144 Methacrylonitrile	0.53390	0.45724	0.45724	0.100	-14.35855	20.00000	Averaged	
30 Bromochloromethane	0.78277	0.74735	0.74735	0.100	-4.52530	20.00000	Averaged	
31 Tetrahydrofuran	0.37141	0.35448	0.35448	0.100	-4.55690	20.00000	Averaged	
32 Chloroform	1.90911	1.78090	1.78090	0.100	-6.71570	20.00000	Averaged	
$ 33 Dibromofluoromethane (S)	0.25633	0.25875	0.25875	0.100	0.94406	20.00000	Averaged	
34 1,1,1-Trichloroethane	1.52719	1.17135	1.17135	0.100	-23.30030	20.00000	Averaged	<-
35 Cyclohexane	50.00000	47.75412	1.60884	0.100	-4.49177	0.000e+000	Linear	
145 isopropyl acetate	++++	0.05536	0.05536	0.100	++++	20.00000	Averaged	<-
36 Carbon Tetrachloride	1.30992	0.85793	0.85793	0.100	-34.50486	20.00000	Averaged	<-
37 1,1-Dichloropropene	1.43030	1.41112	1.41112	0.100	-1.34159	20.00000	Averaged	
39 Benzene	3.96552	3.85823	3.85823	0.100	-2.70552	20.00000	Averaged	
141 2,2,4-Trimethylpentane	3.84668	3.82289	3.82289	0.100	-0.61841	20.00000	Averaged	
40 1,2-Dichloroethane	1.23757	1.16268	1.16268	0.100	-6.05141	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 11-NOV-2010 13:02
Lab File ID: a01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv 34C-142/159 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	0.11983	0.11894	0.11894	0.100	-0.74781	20.00000	Averaged	
42 Trichloroethene	1.12067	1.08066	1.08066	0.100	-3.56995	20.00000	Averaged	
43 Methylcyclohexane	50.00000	46.66642	1.33229	0.100	-6.66715	0.000e+000	Linear	
142 1,4-Dioxane	50.00000	45.94505	0.01652	0.100	-8.10989	0.000e+000	Linear	
44 1,2-Dichloropropane	1.02923	0.96957	0.96957	0.100	-5.79689	20.00000	Averaged	
45 Dibromomethane	0.64705	0.63031	0.63031	0.100	-2.58696	20.00000	Averaged	
46 Methyl methacrylate	50.00000	39.66682	0.51113	0.100	-20.66636	0.000e+000	Linear	
47 Bromodichloromethane	1.27587	1.11085	1.11085	0.100	-12.93414	20.00000	Averaged	
48 2-Chloroethyl vinyl ether	100	103	0.74066	0.100	3.30045	0.000e+000	Linear	
49 cis-1,3-Dichloropropene	2.28033	1.87982	1.87982	0.100	-17.56383	20.00000	Averaged	
50 4-Methyl-2-Pentanone	1.21867	1.10071	1.10071	0.100	-9.67956	20.00000	Averaged	
$ 51 Toluene-d8	1.35696	1.38361	1.38361	0.100	1.96429	20.00000	Averaged	
52 Toluene	50.00000	51.34722	5.84612	0.100	2.69445	0.000e+000	Linear	
53 trans-1,3-Dichloropropene	1.99419	1.36882	1.36882	0.100	-31.35972	20.00000	Averaged	<-
54 Ethyl Methacrylate	1.57038	1.22727	1.22727	0.100	-21.84838	20.00000	Averaged	<-
55 1,1,2-Trichloroethane	1.05106	1.03946	1.03946	0.100	-1.10369	20.00000	Averaged	
56 Tetrachloroethene	1.75238	1.72464	1.72464	0.100	-1.58313	20.00000	Averaged	
57 1,3-Dichloropropane	1.97137	1.95229	1.95229	0.100	-0.96802	20.00000	Averaged	
58 2-Hexanone	0.85988	0.71663	0.71663	0.100	-16.65937	20.00000	Averaged	
59 Dibromochloromethane	1.28400	1.11568	1.11568	0.100	-13.10876	20.00000	Averaged	
60 1,2-Dibromoethane	1.22723	1.18393	1.18393	0.100	-3.52843	20.00000	Averaged	
62 Chlorobenzene	3.73304	3.84030	3.84030	0.300	2.87313	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	1.21807	0.99234	0.99234	0.100	-18.53209	20.00000	Averaged	
64 Ethylbenzene	1.87359	1.86020	1.86020	0.100	-0.71452	20.00000	Averaged	
65 m&p-Xylene	2.30595	2.26462	2.26462	0.100	-1.79199	20.00000	Averaged	
67 o-Xylene	2.38182	2.30102	2.30102	0.100	-3.39234	20.00000	Averaged	
68 Styrene	3.83852	3.68384	3.68384	0.100	-4.02956	20.00000	Averaged	
69 Bromoform	50.00000	39.15706	1.20656	0.100	-21.68588	0.000e+000	Linear	
70 Isopropylbenzene	6.05336	6.08519	6.08519	0.100	0.52577	20.00000	Averaged	
$ 72 4-Bromofluorobenzene	0.49351	0.45940	0.45940	0.100	-6.91183	20.00000	Averaged	
74 Bromobenzene	2.33247	2.21891	2.21891	0.100	-4.86875	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	3.00225	2.96707	2.96707	0.300	-1.17155	20.00000	Averaged	
75 1,2,3-Trichloropropane	3.25432	2.70519	2.70519	0.100	-16.87379	20.00000	Averaged	
71 trans-1,4-Dichloro-2-butene	50.00000	37.73271	0.26517	0.100	-24.53458	0.000e+000	Linear	
76 n-Propylbenzene	12.54250	13.15087	13.15087	0.100	4.85051	20.00000	Averaged	
77 2-Chlorotoluene	7.77674	7.94115	7.94115	0.100	2.11413	20.00000	Averaged	
78 1,3,5-Trimethylbenzene	9.43053	10.05350	10.05350	0.100	6.60591	20.00000	Averaged	
79 4-Chlorotoluene	2.59622	2.75078	2.75078	0.100	5.95349	20.00000	Averaged	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert-Butylbenzene	10.61604	11.19869	11.19869	0.100	5.48838	20.00000	Averaged	
81 1,2,4-Trimethylbenzene	9.66526	10.00255	10.00255	0.100	3.48974	20.00000	Averaged	
82 sec-Butylbenzene	12.30659	13.48689	13.48689	0.100	9.59080	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

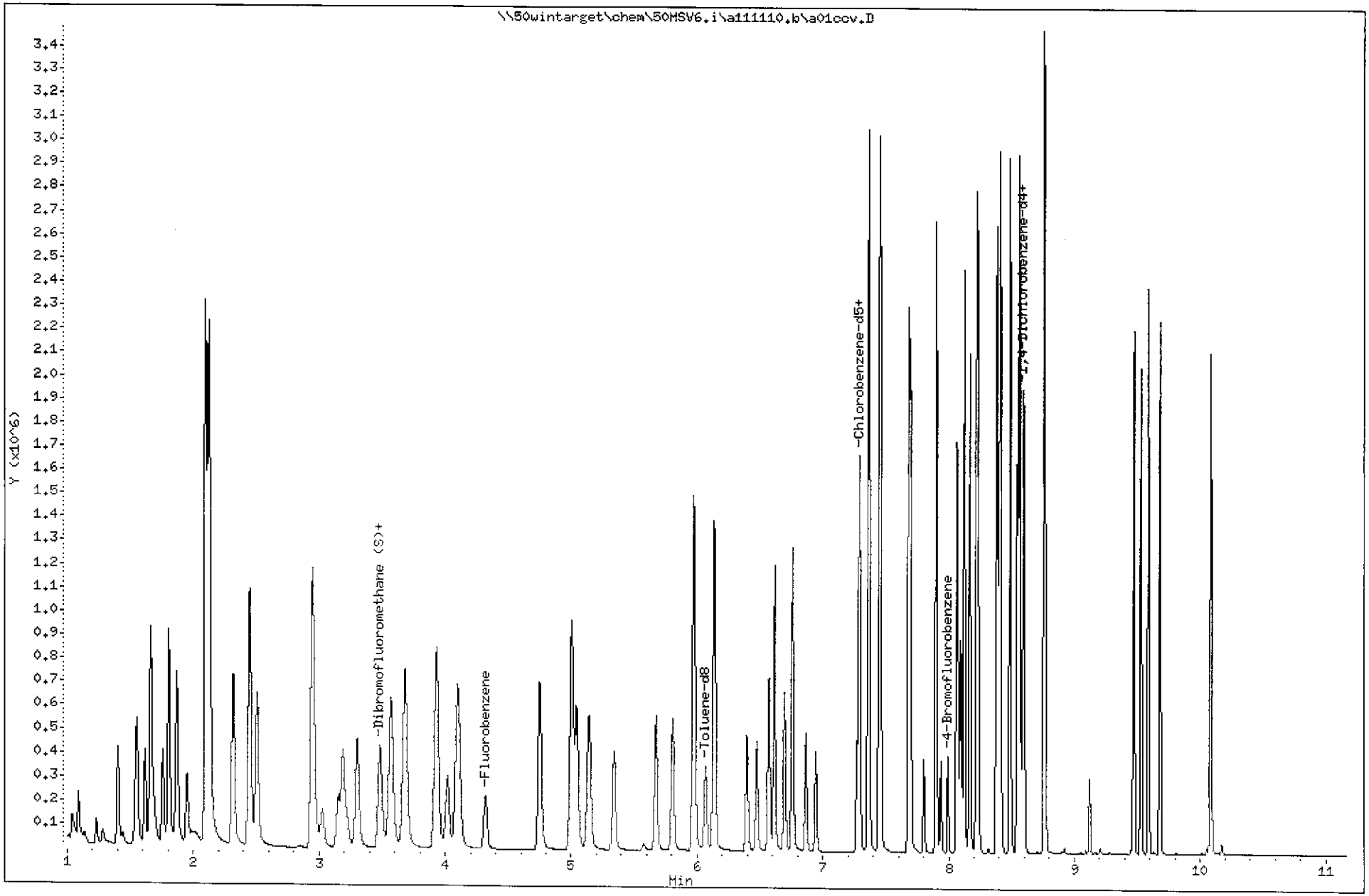
Instrument ID: 50MSV6.i Injection Date: 11-NOV-2010 13:02
Lab File ID: a01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv 34C-142/159 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
83 1,3-Dichlorobenzene	5.31250	5.49917	5.49917	0.100	3.51385	20.00000	Averaged
84 p-Isopropyltoluene	10.16573	10.94470	10.94470	0.100	7.66278	20.00000	Averaged
86 1,4-Dichlorobenzene	5.41212	5.53323	5.53323	0.100	2.23780	20.00000	Averaged
87 n-Butylbenzene	9.38884	9.86747	9.86747	0.100	5.09778	20.00000	Averaged
88 1,2-Dichlorobenzene	5.13912	5.41333	5.41333	0.100	5.33582	20.00000	Averaged
89 1,2-Dibromo-3-chloropropane	0.55378	0.47179	0.47179	0.100	-14.80432	20.00000	Averaged
90 1,2,4-Trichlorobenzene	4.39281	4.72125	4.72125	0.100	7.47677	20.00000	Averaged
91 Hexachlorobutadiene	2.45222	2.58486	2.58486	0.100	5.40909	20.00000	Averaged
92 Naphthalene	50.00000	47.78370	11.52794	0.100	-4.43260	0.000e+000	Linear
93 1,2,3-Trichlorobenzene	4.10173	4.31364	4.31364	0.100	5.16638	20.00000	Averaged
94 2,methyl-naphthalene	50.00000	52.46710	7.04908	0.100	4.93419	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a01ccv.D
Date : 11-NOV-2010 13:02
Client ID: ccv
Sample Info: ccv 34C-142/159
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Lab File ID: C00BFB BFB Injection Date: 11/12/10

Instrument ID: 50MSV6 BFB Injection Time: 0053

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	45.4
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	80.2
175	5.0 - 9.0% of mass 174	5.6 (7.0)1
176	95.0 - 101.0% of mass 174	77.2 (96.2)1
177	5.0 - 9.0% of mass 176	5.2 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	C01CCV	11/12/10	0131
02	LCS	507026	C02LCS	11/12/10	0208
03	MB	507025	C03MB	11/12/10	0246
04	5043009015	5043009015	C04	11/12/10	0323
05	5043009016	5043009016	C05	11/12/10	0401
06	5043009017	5043009017	C06	11/12/10	0438
07	5043009018	5043009018	C07	11/12/10	0516
08	5043009020	5043009020	C08	11/12/10	0553
09	5043009021	5043009021	C09	11/12/10	0631
10	5043009022	5043009022	C10	11/12/10	0708
11	5043009023	5043009023	C11	11/12/10	0746
12	MS5043009023	507027	C12	11/12/10	0823
13	MSD504300902	507028	C13	11/12/10	0901
14	5043009024	5043009024	C14	11/12/10	0938
15	5043009025	5043009025	C15	11/12/10	1016
16	5043009026	5043009026	C16	11/12/10	1053
17	5043009027	5043009027	C17	11/12/10	1131
18	5043009019	5043009019	C18	11/12/10	1208
19	5043144011	5043144011	C19	11/12/10	1246
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Instrument ID: 50MSV6 Calibration Date: 11/12/10 Time: 0131

Lab File ID: C01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	45.3	50.0	AVRG	9.4	20.0	
Chloromethane	36.6	50.0	AVRG	26.8	20.0	<-
Bromomethane	41.4	50.0	2ORDR	17.2	20.0	
Vinyl Chloride	43.6	50.0	LINR	12.8	20.0	
Chloroethane	48.0	50.0	AVRG	4.0	20.0	
Methylene Chloride	44.8	50.0	LINR	10.4	20.0	
1,1-Dichloroethene	45.3	50.0	AVRG	9.4	20.0	
1,1-Dichloroethane	45.0	50.0	AVRG	10.0	20.0	
1,2-Dichloroethene (trans)	46.3	50.0	AVRG	7.4	20.0	
Chloroform	43.4	50.0	AVRG	13.2	20.0	
1,2-Dichloroethane	44.3	50.0	AVRG	11.4	20.0	
1,1,1-Trichloroethane	33.1	50.0	AVRG	33.8	20.0	<-
Carbon Tetrachloride	28.1	50.0	AVRG	43.8	20.0	<-
Bromodichloromethane	39.9	50.0	AVRG	20.2	20.0	<-
1,2-Dichloropropane	43.6	50.0	AVRG	12.8	20.0	
trans-1,3-Dichloropropene	27.6	50.0	AVRG	44.8	20.0	<-
Trichloroethene	44.0	50.0	AVRG	12.0	20.0	
Dibromochloromethane	39.3	50.0	AVRG	21.4	20.0	<-
1,1,2-Trichloroethane	46.1	50.0	AVRG	7.8	20.0	
Benzene	45.2	50.0	AVRG	9.6	20.0	
cis-1,3-Dichloropropene	34.4	50.0	AVRG	31.2	20.0	<-
Bromoform	36.4	50.0	LINR	27.2	20.0	<-
Tetrachloroethene	47.3	50.0	AVRG	5.4	20.0	
1,1,2,2-Tetrachloroethane	46.0	50.0	AVRG	8.0	20.0	
Toluene	46.2	50.0	LINR	7.6	20.0	
Chlorobenzene	46.2	50.0	AVRG	7.6	20.0	
Ethylbenzene	44.3	50.0	AVRG	11.4	20.0	
Styrene	42.8	50.0	AVRG	14.4	20.0	
Trichlorofluoromethane	52.9	50.0	AVRG	-5.8	20.0	
m&p-Xylene	87.3	100	AVRG	12.7	20.0	
1,2-Dichloroethene (cis)	45.8	50.0	AVRG	8.4	20.0	
o-Xylene	42.4	50.0	AVRG	15.2	20.0	
1,2,3-Trichloropropane	36.8	50.0	AVRG	26.4	20.0	<-
1,3-Dichlorobenzene	45.2	50.0	AVRG	9.6	20.0	
1,4-Dichlorobenzene	44.7	50.0	AVRG	10.6	20.0	
Dibromomethane	45.7	50.0	AVRG	8.6	20.0	
1,2-Dichlorobenzene	46.9	50.0	AVRG	6.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Instrument ID: 50MSV6 Calibration Date: 11/12/10 Time: 0131

Lab File ID: C01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	47.5	50.0	AVRG	5.0	20.0	
2,2-Dichloropropane	18.3	50.0	AVRG	63.4	20.0	<-
1,1-Dichloropropene	44.7	50.0	AVRG	10.6	20.0	
1,3-Dichloropropane	45.8	50.0	AVRG	8.4	20.0	
1,2-Dibromoethane	44.4	50.0	AVRG	11.2	20.0	
1,1,1,2-Tetrachloroethane	36.0	50.0	AVRG	28.0	20.0	<-
Isopropylbenzene	44.0	50.0	AVRG	12.0	20.0	
Bromobenzene	42.2	50.0	AVRG	15.6	20.0	
n-Propylbenzene	45.8	50.0	AVRG	8.4	20.0	
2-Chlorotoluene	46.4	50.0	AVRG	7.2	20.0	
4-Chlorotoluene	47.6	50.0	AVRG	4.8	20.0	
1,3,5-Trimethylbenzene	47.0	50.0	AVRG	6.0	20.0	
tert-Butylbenzene	46.7	50.0	AVRG	6.6	20.0	
1,2,4-Trimethylbenzene	45.3	50.0	AVRG	9.4	20.0	
sec-Butylbenzene	47.8	50.0	AVRG	4.4	20.0	
p-Isopropyltoluene	46.6	50.0	AVRG	6.8	20.0	
n-Butylbenzene	43.9	50.0	AVRG	12.2	20.0	
1,2-Dibromo-3-chloropropane	37.9	50.0	AVRG	24.2	20.0	<-
1,2,4-Trichlorobenzene	44.7	50.0	AVRG	10.6	20.0	
Hexachlorobutadiene	45.5	50.0	AVRG	9.0	20.0	
Naphthalene	43.8	50.0	LINR	12.4	20.0	
1,2,3-Trichlorobenzene	46.8	50.0	AVRG	6.4	20.0	
Acrolein	681	1000	LINR	31.9	20.0	<-
Carbon Disulfide	86.7	100	AVRG	13.3	20.0	
Acetone	188	250	LINR	24.8	20.0	<-
Acrylonitrile	917	1000	AVRG	8.3	20.0	
Vinyl Acetate	130	200	AVRG	35.0	20.0	<-
2-Butanone	213	250	AVRG	14.8	20.0	
2-Chloroethyl vinyl ether	94.9	100	LINR	5.1	20.0	
4-Methyl-2-Pentanone	208	250	AVRG	16.8	20.0	
2-Hexanone	194	250	AVRG	22.4	20.0	<-
Methyl-tert-butyl ether	79.2	100	AVRG	20.8	20.0	<-
Iodomethane	100	100	LINR	0.0	20.0	
trans-1,4-Dichloro-2-butene	28.0	50.0	LINR	44.0	20.0	<-
Ethyl Methacrylate	35.5	50.0	AVRG	29.0	20.0	<-
2,methyl-naphthalene	46.8	50.0	LINR	6.4	20.0	
n-Hexane	44.6	50.0	AVRG	10.8	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111110.B

Instrument ID: 50MSV6 Calibration Date: 11/12/10 Time: 0131

Lab File ID: C01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	48.3	50.0	AVRG	3.4	20.0	
1,2-dichlorotrifluoroethane_	41.0	50.0	AVRG	18.0	20.0	
Tetrahydrofuran	43.4	50.0	AVRG	13.2	20.0	
allyl chloride	70.4	100	AVRG	29.6	20.0	<-
Diethyl ether	85.9	100	LINR	14.1	20.0	
Isobutyl alcohol	228	250	AVRG	8.8	20.0	
Methyl methacrylate	37.2	50.0	LINR	25.6	20.0	<-
2-methyl-2-propanol	28.0	100	LINR	72.0	20.0	<-
Methyl Acetate	40.5	50.0	AVRG	19.0	20.0	
Cyclohexane	43.5	50.0	LINR	13.0	20.0	
Methylcyclohexane	42.2	50.0	LINR	15.6	20.0	
2,2,4-Trimethylpentane	45.0	50.0	AVRG	10.0	20.0	
1,4-Dioxane	39.2	50.0	LINR	21.6	20.0	<-
Acetonitrile	36.9	50.0	AVRG	26.2	20.0	<-
Methacrylonitrile	40.1	50.0	AVRG	19.8	20.0	
isopropyl acetate	0.000	50.0	AVRG	100.0	20.0	<-
n-amyl acetate	0.000	50.0	AVRG	100.0	20.0	<-
chloroprene	43.7	50.0	AVRG	12.6	20.0	
Toluene-d8	50.6	50.0	AVRG	-1.2	20.0	
4-Bromofluorobenzene	44.8	50.0	AVRG	10.4	20.0	
Dibromofluoromethane (S)	51.1	50.0	AVRG	-2.2	20.0	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c00bfb.D

Date : 12-NOV-2010 00:53

Client ID: bfb050

Instrument: 50MSV6.i

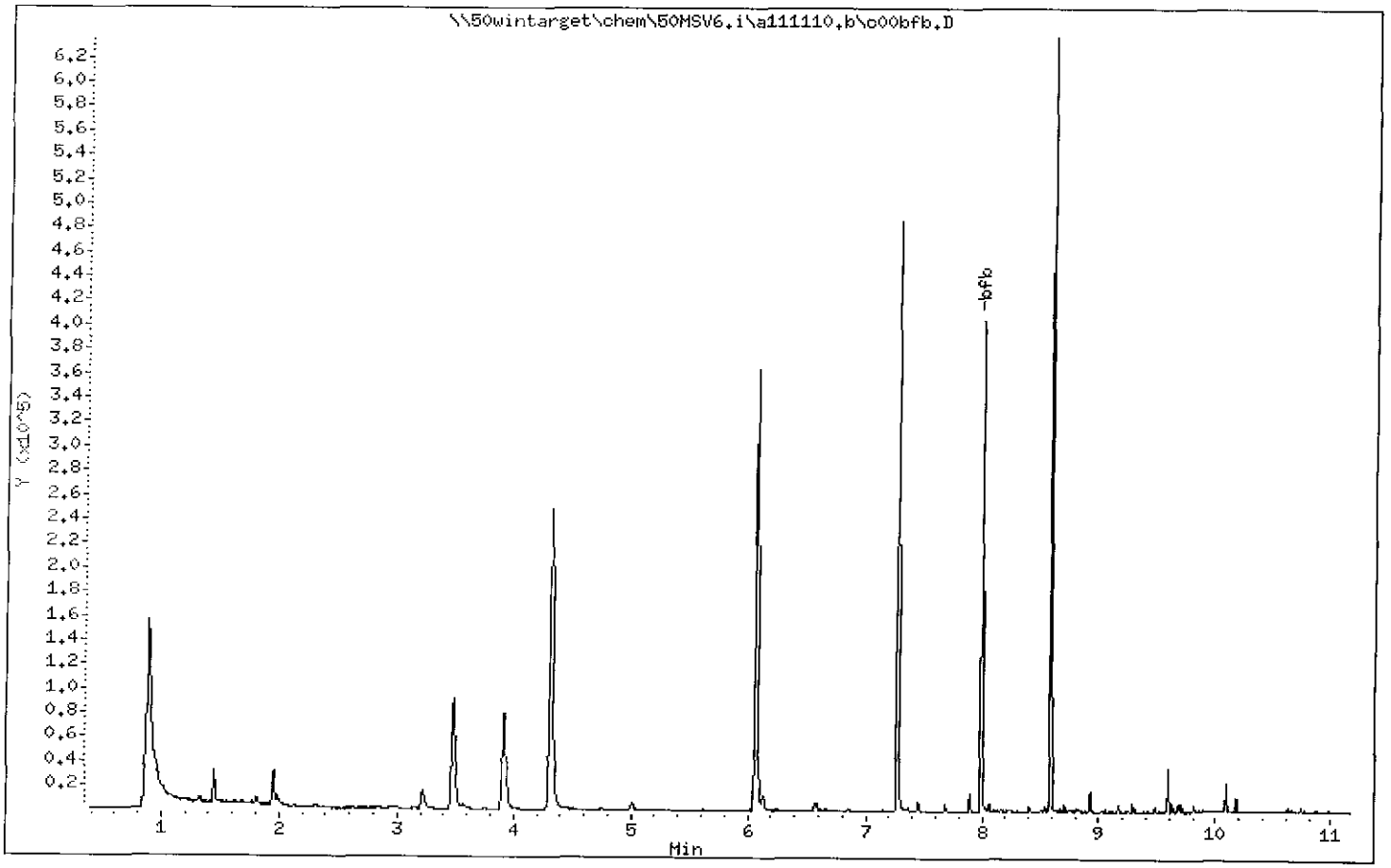
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c00bfb.D

Date : 12-NOV-2010 00:53

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: bfb

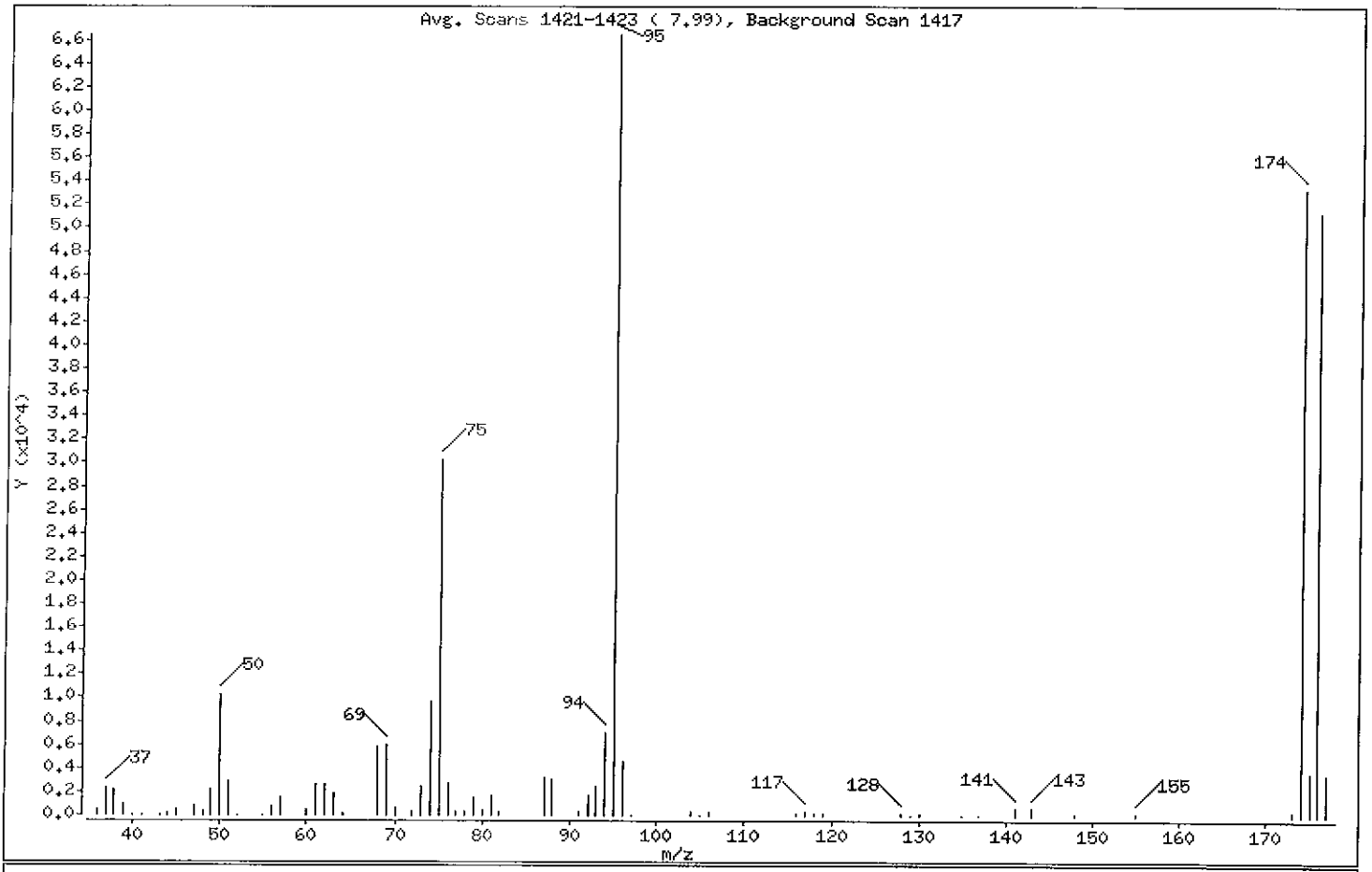
Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.36
75	30.00 - 60.00% of mass 95	45.40
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.43 (0.54)
174	50.00 - 100.00% of mass 95	80.24
175	5.00 - 9.00% of mass 174	5.63 (7.01)
176	95.00 - 101.00% of mass 174	77.23 (96.25)
177	5.00 - 9.00% of mass 176	5.19 (6.72)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c00bfb.D

Date : 12-NOV-2010 00:53

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

Data File: c00bfb.D

Spectrum: Avg. Scans 1421-1423 (7.99), Background Scan 1417

Location of Maximum: 95.00

Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	441	57.00	1589	80.00	477	118.00	197
37.00	2232	60.00	487	81.00	1697	119.00	201
38.00	2175	61.00	2536	82.00	326	128.00	212
39.00	881	62.00	2560	87.00	3168	129.00	62
40.00	9	63.00	1906	88.00	2997	130.00	174
41.00	53	64.00	142	91.00	238	135.00	50
43.00	64	68.00	5839	92.00	1663	137.00	51
44.00	202	69.00	5920	93.00	2416	141.00	549
45.00	458	70.00	542	94.00	7093	143.00	592
47.00	828	72.00	233	95.00	66408	148.00	133
48.00	334	73.00	2516	96.00	4623	155.00	131
49.00	2202	74.00	9607	97.00	65	173.00	286
50.00	10200	75.00	30152	104.00	290	174.00	53288
51.00	2958	76.00	2714	105.00	51	175.00	3738
52.00	59	77.00	372	106.00	275	176.00	51288
55.00	76	78.00	318	116.00	179	177.00	3447
56.00	834	79.00	1569	117.00	380		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c01ccv.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 12-NOV-2010 01:31
Operator : jlf Inst ID: 50MSV6.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	227949	50.0000	47.5
2	Chloromethane	50	1.039	1.039	(0.241)	153399	50.0000	36.6
3	Vinyl Chloride	62	1.087	1.087	(0.252)	151614	50.0000	43.6
4	Bromomethane	94	1.232	1.232	(0.285)	48986	50.0000	41.4
5	Chloroethane	64	1.280	1.280	(0.296)	52769	50.0000	48.0
6	Trichlorofluoromethane	101	1.397	1.403	(0.324)	238426	50.0000	52.9
7	1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	145345	50.0000	41.0
8	Diethyl ether	74	1.536	1.536	(0.356)	67914	100.000	85.9
18	2-methyl-2-propanol	59	2.018	2.018	(0.467)	25360	100.000	28.0
9	Acrolein	56	1.611	1.611	(0.373)	220485	1000.00	681
10	1,1,2trichlorotrifluoroethane	101	1.660	1.660	(0.384)	144330	50.0000	48.3
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	127502	50.0000	45.3
12	Acetone	43	1.686	1.686	(0.391)	140728	250.000	188
143	Acetonitrile	41	1.868	1.868	(0.433)	218200	50.0000	36.9
13	Iodomethane	142	1.756	1.756	(0.407)	344874	100.000	100
14	Carbon Disulfide	76	1.804	1.804	(0.418)	756929	100.000	86.7
16	Methyl Acetate	43	1.857	1.857	(0.430)	117016	50.0000	40.5
15	allyl chloride	41	1.868	1.868	(0.433)	218200	100.000	70.4
17	Methylene Chloride	84	1.943	1.948	(0.450)	158677	50.0000	44.8
19	Acrylonitrile	53	2.093	2.098	(0.485)	1463389	1000.00	917
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	997514	100.000	79.2
21	1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	225446	50.0000	46.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	22 n-Hexane	57	2.312	2.318	(0.535)	307638	50.0000	44.6
	147 chloroprene	53	2.499	2.505	(0.579)	307146	50.0000	43.7
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	386033	50.0000	45.0
	24 Vinyl Acetate	43	2.441	2.441	(0.565)	733813	200.000	130
	26 1,2-Dichloroethene (cis)	96	2.938	2.943	(0.680)	236962	50.0000	45.8
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	122208	50.0000	18.3
	28 2-Butanone	43	2.938	2.943	(0.680)	475246	250.000	213
	144 Methacrylonitrile	41	3.147	3.152	(0.729)	101368	50.0000	40.1
	30 Bromochloromethane	49	3.184	3.184	(0.737)	167972	50.0000	45.3
	31 Tetrahydrofuran	42	3.564	3.569	(0.825)	76312	50.0000	43.4
	32 Chloroform	83	3.297	3.302	(0.763)	392574	50.0000	43.4
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	61945	50.0000	51.1
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	239564	50.0000	33.1
	35 Cyclohexane	56	3.564	3.569	(0.825)	348472	50.0000	43.5
	145 isopropyl acetate	61	1.087	1.087	(0.252)	12866	50.0000	
	36 Carbon Tetrachloride	117	3.671	3.676	(0.850)	174114	50.0000	28.1
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	302713	50.0000	44.7
	39 Benzene	78	3.933	3.933	(0.911)	847942	50.0000	45.2
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	818368	50.0000	45.0
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	259338	50.0000	44.3
	38 Isobutyl alcohol	43	4.094	4.099	(0.948)	129280	250.000	228
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	236632	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	233108	50.0000	44.0
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	286677	50.0000	42.2
	142 1,4-Dioxane	88	5.158	5.142	(1.194)	3325	50.0000	39.2
	44 1,2-Dichloropropane	63	5.041	5.046	(1.167)	212231	50.0000	43.6
	45 Dibromomethane	93	5.131	5.131	(1.188)	139908	50.0000	45.7
	46 Methyl methacrylate	69	5.148	5.148	(1.192)	113209	50.0000	37.2
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	241154	50.0000	39.9
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	218989	100.000	94.9
	49 cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	252401	50.0000	34.4
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	816813	250.000	208
$	51 Toluene-d8	98	6.062	6.068	(0.834)	220737	50.0000	50.6
	52 Toluene	91	6.132	6.132	(0.843)	852561	50.0000	46.2
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	176989	50.0000	27.6
	54 Ethyl Methacrylate	69	6.474	6.474	(0.890)	178996	50.0000	35.5
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	155613	50.0000	46.1
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	266270	50.0000	47.3
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	290179	50.0000	45.8
	58 2-Hexanone	43	6.758	6.758	(0.929)	537078	250.000	194
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	162206	50.0000	39.3
	60 1,2-Dibromoethane	107	6.940	6.945	(0.954)	175242	50.0000	44.4
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	160708	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	554828	50.0000	46.2
	63 1,1,1,2-Tetrachloroethane	131	7.357	7.362	(1.012)	141005	50.0000	36.0
	64 Ethylbenzene	106	7.362	7.362	(1.013)	266580	50.0000	44.3
	65 m&p-Xylene	106	7.448	7.453	(1.024)	647017	100.000	87.3
	67 o-Xylene	106	7.683	7.683	(1.057)	324719	50.0000	42.4
	68 Styrene	104	7.694	7.694	(1.058)	528404	50.0000	42.8
	69 Bromoform	173	7.801	7.801	(0.909)	88621	50.0000	36.4
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	856364	50.0000	44.0
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	71141	50.0000	44.8
	74 Bromobenzene	77	8.063	8.063	(1.109)	316425	50.0000	42.2
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	220297	50.0000	46.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	191266	50.0000	36.8
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	31911	50.0000	28.0
76	n-Propylbenzene	91	8.122	8.122	(0.946)	917566	50.0000	45.8
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	575724	50.0000	46.4
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	707050	50.0000	47.0
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	197222	50.0000	47.6
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	790409	50.0000	46.7
81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	698719	50.0000	45.3
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	937723	50.0000	47.8
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	383416	50.0000	45.2
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	756361	50.0000	46.6
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	79771	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	386159	50.0000	44.7
87	n-Butylbenzene	91	8.753	8.753	(1.020)	657510	50.0000	43.9
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	384921	50.0000	46.9
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	33499	50.0000	37.9
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	313017	50.0000	44.7
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	177984	50.0000	45.5
92	Naphthalene	128	9.588	9.588	(1.117)	861126	50.0000	43.8
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	306455	50.0000	46.8
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	509310	50.0000	46.8

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c01ccv.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 00:21
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	236632	-8.90
61 Chlorobenzene-d5	176241	88121	352482	160708	-8.81
85 1,4-Dichlorobenze	89014	44507	178028	79771	-10.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 12-NOV-2010 01:31
Lab File ID: c01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	1.01396	0.96331	0.96331	0.100	-4.99553	20.00000	Averaged	
2 Chloromethane	0.88442	0.64826	0.64826	0.100	-26.70264	20.00000	Averaged	<-
3 Vinyl Chloride	50.00000	43.62058	0.64072	0.100	-12.75884	0.000e+000	Linear	
4 Bromomethane	50.00000	41.41650	0.20701	0.100	-17.16701	0.000e+000	Quadratic	
5 Chloroethane	0.23205	0.22300	0.22300	0.100	-3.90119	20.00000	Averaged	
6 Trichlorofluoromethane	0.95212	1.00758	1.00758	0.100	5.82507	20.00000	Averaged	
7 1,2-dichlorotrifluoroethane	0.74898	0.61422	0.61422	0.100	-17.99216	20.00000	Averaged	
8 Diethyl ether	100	85.93611	0.14350	0.100	-14.06389	0.000e+000	Linear	
18 2-methyl-2-propanol	100	27.96926	0.05359	0.100	-72.03074	0.000e+000	Linear	
9 Acrolein	1000	681	0.04659	0.100	-31.91783	0.000e+000	Linear	
10 1,1,2trichlorotrifluoroetha	0.63105	0.60993	0.60993	0.100	-3.34589	20.00000	Averaged	
11 1,1-Dichloroethene	0.59457	0.53882	0.53882	0.100	-9.37702	20.00000	Averaged	
12 Acetone	250	188	0.11894	0.100	-24.87075	0.000e+000	Linear	
143 Acetonitrile	1.25003	0.92211	0.92211	0.100	-26.23311	20.00000	Averaged	<-
13 Iodomethane	100	100	0.72871	0.100	0.49344	0.000e+000	Linear	
14 Carbon Disulfide	1.84531	1.59938	1.59938	0.100	-13.32708	20.00000	Averaged	
16 Methyl Acetate	0.61041	0.49451	0.49451	0.100	-18.98741	20.00000	Averaged	
15 allyl chloride	0.65439	0.46105	0.46105	0.100	-29.54464	20.00000	Averaged	<-
17 Methylene Chloride	50.00000	44.81365	0.67056	0.100	-10.37270	0.000e+000	Linear	
19 Acrylonitrile	0.33732	0.30921	0.30921	0.100	-8.33244	20.00000	Averaged	
20 Methyl-tert-butyl ether	2.66043	2.10773	2.10773	0.100	-20.77466	20.00000	Averaged	<-
21 1,2-Dichloroethene (trans)	1.02859	0.95273	0.95273	0.100	-7.37525	20.00000	Averaged	
22 n-Hexane	1.45856	1.30007	1.30007	0.100	-10.86651	20.00000	Averaged	
147 chloroprene	1.48497	1.29799	1.29799	0.100	-12.59168	20.00000	Averaged	
23 1,1-Dichloroethane	1.81376	1.63136	1.63136	0.100	-10.05645	20.00000	Averaged	
24 Vinyl Acetate	1.19467	0.77527	0.77527	0.100	-35.10604	20.00000	Averaged	<-
26 1,2-Dichloroethene (cis)	1.09252	1.00139	1.00139	0.100	-8.34065	20.00000	Averaged	
27 2,2-Dichloropropane	1.41033	0.51645	0.51645	0.100	-63.38101	20.00000	Averaged	<-
28 2-Butanone	0.47053	0.40168	0.40168	0.100	-14.63288	20.00000	Averaged	
144 Methacrylonitrile	0.53390	0.42838	0.42838	0.100	-19.76415	20.00000	Averaged	
30 Bromochloromethane	0.78277	0.70984	0.70984	0.100	-9.31612	20.00000	Averaged	
31 Tetrahydrofuran	0.37141	0.32249	0.32249	0.100	-13.16974	20.00000	Averaged	
32 Chloroform	1.90911	1.65901	1.65901	0.100	-13.10063	20.00000	Averaged	
$ 33 Dibromofluoromethane (S)	0.25633	0.26178	0.26178	0.100	2.12516	20.00000	Averaged	
34 1,1,1-Trichloroethane	1.52719	1.01239	1.01239	0.100	-33.70885	20.00000	Averaged	<-
35 Cyclohexane	50.00000	43.49734	1.47263	0.100	-13.00532	0.000e+000	Linear	
145 isopropyl acetate	++++	0.05437	0.05437	0.100	++++	20.00000	Averaged	<-
36 Carbon Tetrachloride	1.30992	0.73580	0.73580	0.100	-43.82840	20.00000	Averaged	<-
37 1,1-Dichloropropene	1.43030	1.27926	1.27926	0.100	-10.56054	20.00000	Averaged	
39 Benzene	3.96552	3.58338	3.58338	0.100	-9.63666	20.00000	Averaged	
141 2,2,4-Trimethylpentane	3.84668	3.45840	3.45840	0.100	-10.09383	20.00000	Averaged	
40 1,2-Dichloroethane	1.23757	1.09595	1.09595	0.100	-11.44323	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 12-NOV-2010 01:31
Lab File ID: c01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	0.11983	0.10927	0.10927	0.100	-8.81773	20.00000	Averaged	
42 Trichloroethene	1.12067	0.98511	0.98511	0.100	-12.09641	20.00000	Averaged	
43 Methylcyclohexane	50.00000	42.18364	1.21149	0.100	-15.63271	0.000e+000	Linear	
142 1,4-Dioxane	50.00000	39.25574	0.01405	0.100	-21.48851	0.000e+000	Linear	
44 1,2-Dichloropropane	1.02923	0.89688	0.89688	0.100	-12.85884	20.00000	Averaged	
45 Dibromomethane	0.64705	0.59125	0.59125	0.100	-8.62470	20.00000	Averaged	
46 Methyl methacrylate	50.00000	37.22300	0.47842	0.100	-25.55400	0.000e+000	Linear	
47 Bromodichloromethane	1.27587	1.01911	1.01911	0.100	-20.12458	20.00000	Averaged	<-
48 2-Chloroethyl vinyl ether	100	94.94689	0.68133	0.100	-5.05311	0.000e+000	Linear	
49 cis-1,3-Dichloropropene	2.28033	1.57056	1.57056	0.100	-31.12603	20.00000	Averaged	<-
50 4-Methyl-2-Pentanone	1.21867	1.01652	1.01652	0.100	-16.58790	20.00000	Averaged	
$ 51 Toluene-d8	1.35696	1.37353	1.37353	0.100	1.22106	20.00000	Averaged	
52 Toluene	50.00000	46.22656	5.30503	0.100	-7.54689	0.000e+000	Linear	
53 trans-1,3-Dichloropropene	1.99419	1.10131	1.10131	0.100	-44.77426	20.00000	Averaged	<-
54 Ethyl Methacrylate	1.57038	1.11380	1.11380	0.100	-29.07453	20.00000	Averaged	<-
55 1,1,2-Trichloroethane	1.05106	0.96830	0.96830	0.100	-7.87442	20.00000	Averaged	
56 Tetrachloroethene	1.75238	1.65686	1.65686	0.100	-5.45102	20.00000	Averaged	
57 1,3-Dichloropropane	1.97137	1.80563	1.80563	0.100	-8.40761	20.00000	Averaged	
58 2-Hexanone	0.85988	0.66839	0.66839	0.100	-22.26969	20.00000	Averaged	<-
59 Dibromochloromethane	1.28400	1.00932	1.00932	0.100	-21.39252	20.00000	Averaged	<-
60 1,2-Dibromoethane	1.22723	1.09044	1.09044	0.100	-11.14641	20.00000	Averaged	
62 Chlorobenzene	3.73304	3.45240	3.45240	0.300	-7.51779	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	1.21807	0.87740	0.87740	0.100	-27.96813	20.00000	Averaged	<-
64 Ethylbenzene	1.87359	1.65878	1.65878	0.100	-11.46479	20.00000	Averaged	
65 m&p-Xylene	2.30595	2.01302	2.01302	0.100	-12.70307	20.00000	Averaged	
67 o-Xylene	2.38182	2.02055	2.02055	0.100	-15.16774	20.00000	Averaged	
68 Styrene	3.83852	3.28798	3.28798	0.100	-14.34255	20.00000	Averaged	
69 Bromoform	50.00000	36.35226	1.11094	0.100	-27.29548	0.000e+000	Linear	
70 Isopropylbenzene	6.05336	5.32870	5.32870	0.100	-11.97130	20.00000	Averaged	
$ 72 4-Bromofluorobenzene	0.49351	0.44267	0.44267	0.100	-10.30119	20.00000	Averaged	
74 Bromobenzene	2.33247	1.96894	1.96894	0.100	-15.58538	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	3.00225	2.76162	2.76162	0.300	-8.01495	20.00000	Averaged	
75 1,2,3-Trichloropropane	3.25432	2.39769	2.39769	0.100	-26.32288	20.00000	Averaged	<-
71 trans-1,4-Dichloro-2-butene	50.00000	28.02089	0.19857	0.100	-43.95822	0.000e+000	Linear	
76 n-Propylbenzene	12.54250	11.50250	11.50250	0.100	-8.29180	20.00000	Averaged	
77 2-Chlorotoluene	7.77674	7.21721	7.21721	0.100	-7.19494	20.00000	Averaged	
78 1,3,5-Trimethylbenzene	9.43053	8.86350	8.86350	0.100	-6.01273	20.00000	Averaged	
79 4-Chlorotoluene	2.59622	2.47235	2.47235	0.100	-4.77104	20.00000	Averaged	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert-Butylbenzene	10.61604	9.90848	9.90848	0.100	-6.66506	20.00000	Averaged	
81 1,2,4-Trimethylbenzene	9.66526	8.75906	8.75906	0.100	-9.37580	20.00000	Averaged	
82 sec-Butylbenzene	12.30659	11.75519	11.75519	0.100	-4.48058	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

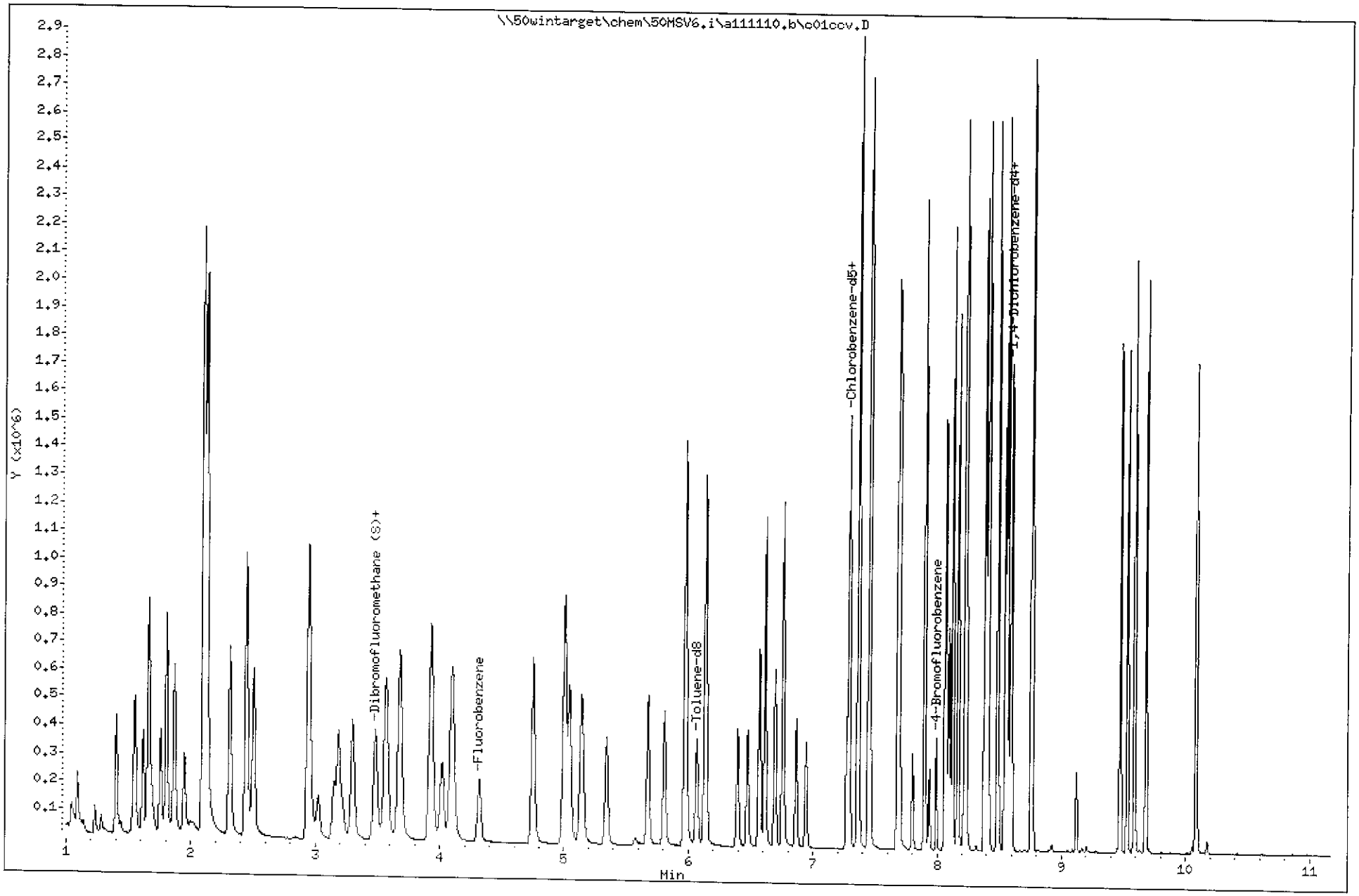
Instrument ID: 50MSV6.i Injection Date: 12-NOV-2010 01:31
Lab File ID: c01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
83 1,3-Dichlorobenzene	5.31250	4.80646	4.80646	0.100	-9.52546	20.00000	Averaged	
84 p-Isopropyltoluene	10.16573	9.48165	9.48165	0.100	-6.72921	20.00000	Averaged	
86 1,4-Dichlorobenzene	5.41212	4.84084	4.84084	0.100	-10.55541	20.00000	Averaged	
87 n-Butylbenzene	9.38884	8.24247	8.24247	0.100	-12.20996	20.00000	Averaged	
88 1,2-Dichlorobenzene	5.13912	4.82532	4.82532	0.100	-6.10600	20.00000	Averaged	
89 1,2-Dibromo-3-chloropropane	0.55378	0.41994	0.41994	0.100	-24.16799	20.00000	Averaged	<-
90 1,2,4-Trichlorobenzene	4.39281	3.92394	3.92394	0.100	-10.67341	20.00000	Averaged	
91 Hexachlorobutadiene	2.45222	2.23119	2.23119	0.100	-9.01344	20.00000	Averaged	
92 Naphthalene	50.00000	43.85074	10.79498	0.100	-12.29852	0.000e+000	Linear	
93 1,2,3-Trichlorobenzene	4.10173	3.84168	3.84168	0.100	-6.33983	20.00000	Averaged	
94 2,methyl-naphthalene	50.00000	46.82516	6.38465	0.100	-6.34969	0.000e+000	Linear	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c01ccv.D
Date : 12-NOV-2010 01:31
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111210.B

Lab File ID: A00BFB BFB Injection Date: 11/12/10

Instrument ID: 50MSV6 BFB Injection Time: 1347

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	77.7
175	5.0 - 9.0% of mass 174	5.7 (7.3)1
176	95.0 - 101.0% of mass 174	75.3 (96.9)1
177	5.0 - 9.0% of mass 176	5.0 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV 34C-142/15	A01CCV	11/12/10	1425
02	LCS	507783	A02LCS	11/12/10	1502
03	MB	507778	A03MB	11/12/10	1539
04	5043009019	5043009019	A04	11/12/10	1617
05	5043009013	5043009013	A05	11/12/10	1655
06	5043009021	5043009021	A06	11/12/10	1732
07	5043242009	5043242009	A07	11/12/10	1809
08	5043078007	5043078007	A08	11/12/10	1847
09	5043078001	5043078001	A09	11/12/10	1924
10	5043078002	5043078002	A10	11/12/10	2002
11	5043078003	5043078003	A11	11/12/10	2039
12	5043078004	5043078004	A12	11/12/10	2117
13	5043078005	5043078005	A13	11/12/10	2154
14	5043078006	5043078006	A14	11/12/10	2232
15	5043081007	5043081007	A15	11/12/10	2309
16	MS5043081007	507784	A16	11/12/10	2346
17	MSD504308100	507785	A17	11/13/10	0024
18	5043204001	5043204001	A18	11/13/10	0101
19	5043204001	5043204001	A19	11/13/10	0139
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111210.B

Instrument ID: 50MSV6 Calibration Date: 11/12/10 Time: 1425

Lab File ID: A01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	51.6	50.0	AVRG	-3.2	20.0	
Chloromethane	40.0	50.0	AVRG	20.0	20.0	
Bromomethane	50.2	50.0	2ORDR	-0.4	20.0	
Vinyl Chloride	47.8	50.0	LINR	4.4	20.0	
Chloroethane	49.9	50.0	AVRG	0.2	20.0	
Methylene Chloride	54.0	50.0	LINR	-8.0	20.0	
1,1-Dichloroethene	54.9	50.0	AVRG	-9.8	20.0	
1,1-Dichloroethane	52.3	50.0	AVRG	-4.6	20.0	
1,2-Dichloroethene (trans)	55.3	50.0	AVRG	-10.6	20.0	
Chloroform	50.4	50.0	AVRG	-0.8	20.0	
1,2-Dichloroethane	50.0	50.0	AVRG	0.0	20.0	
1,1,1-Trichloroethane	41.7	50.0	AVRG	16.6	20.0	
Carbon Tetrachloride	36.4	50.0	AVRG	27.2	20.0	<-
Bromodichloromethane	47.6	50.0	AVRG	4.8	20.0	
1,2-Dichloropropane	50.0	50.0	AVRG	0.0	20.0	
trans-1,3-Dichloropropene	36.0	50.0	AVRG	28.0	20.0	<-
Trichloroethene	52.5	50.0	AVRG	-5.0	20.0	
Dibromochloromethane	47.3	50.0	AVRG	5.4	20.0	
1,1,2-Trichloroethane	49.3	50.0	AVRG	1.4	20.0	
Benzene	52.4	50.0	AVRG	-4.8	20.0	
cis-1,3-Dichloropropene	43.4	50.0	AVRG	13.2	20.0	
Bromoform	42.4	50.0	LINR	15.2	20.0	
Tetrachloroethene	57.9	50.0	AVRG	-15.8	20.0	
1,1,2,2-Tetrachloroethane	51.0	50.0	AVRG	-2.0	20.0	
Toluene	54.0	50.0	LINR	-8.0	20.0	
Chlorobenzene	53.8	50.0	AVRG	-7.6	20.0	
Ethylbenzene	51.9	50.0	AVRG	-3.8	20.0	
Styrene	50.2	50.0	AVRG	-0.4	20.0	
Trichlorofluoromethane	56.9	50.0	AVRG	-13.8	20.0	
m&p-Xylene	103	100	AVRG	-3.0	20.0	
1,2-Dichloroethene (cis)	53.6	50.0	AVRG	-7.2	20.0	
o-Xylene	50.5	50.0	AVRG	-1.0	20.0	
1,2,3-Trichloropropane	42.7	50.0	AVRG	14.6	20.0	
1,3-Dichlorobenzene	53.8	50.0	AVRG	-7.6	20.0	
1,4-Dichlorobenzene	53.4	50.0	AVRG	-6.8	20.0	
Dibromomethane	51.8	50.0	AVRG	-3.6	20.0	
1,2-Dichlorobenzene	54.5	50.0	AVRG	-9.0	20.0	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111210.B

Instrument ID: 50MSV6 Calibration Date: 11/12/10 Time: 1425

Lab File ID: A01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	49.4	50.0	AVRG	1.2	20.0	
2,2-Dichloropropane	27.8	50.0	AVRG	44.4	20.0	<-
1,1-Dichloropropene	53.4	50.0	AVRG	-6.8	20.0	
1,3-Dichloropropane	51.6	50.0	AVRG	-3.2	20.0	
1,2-Dibromoethane	49.9	50.0	AVRG	0.2	20.0	
1,1,1,2-Tetrachloroethane	43.8	50.0	AVRG	12.4	20.0	
Isopropylbenzene	52.5	50.0	AVRG	-5.0	20.0	
Bromobenzene	48.9	50.0	AVRG	2.2	20.0	
n-Propylbenzene	53.6	50.0	AVRG	-7.2	20.0	
2-Chlorotoluene	53.7	50.0	AVRG	-7.4	20.0	
4-Chlorotoluene	54.3	50.0	AVRG	-8.6	20.0	
1,3,5-Trimethylbenzene	54.8	50.0	AVRG	-9.6	20.0	
tert-Butylbenzene	54.8	50.0	AVRG	-9.6	20.0	
1,2,4-Trimethylbenzene	53.5	50.0	AVRG	-7.0	20.0	
sec-Butylbenzene	55.9	50.0	AVRG	-11.8	20.0	
p-Isopropyltoluene	55.6	50.0	AVRG	-11.2	20.0	
n-Butylbenzene	55.0	50.0	AVRG	-10.0	20.0	
1,2-Dibromo-3-chloropropane	43.8	50.0	AVRG	12.4	20.0	
1,2,4-Trichlorobenzene	56.9	50.0	AVRG	-13.8	20.0	
Hexachlorobutadiene	56.0	50.0	AVRG	-12.0	20.0	
Naphthalene	49.3	50.0	LINR	1.4	20.0	
1,2,3-Trichlorobenzene	55.6	50.0	AVRG	-11.2	20.0	
Acrolein	774	1000	LINR	22.6	20.0	<-
Carbon Disulfide	102	100	AVRG	-2.0	20.0	
Acetone	233	250	LINR	6.8	20.0	
Acrylonitrile	1020	1000	AVRG	-2.0	20.0	
Vinyl Acetate	159	200	AVRG	20.5	20.0	<-
2-Butanone	238	250	AVRG	4.8	20.0	
2-Chloroethyl vinyl ether	105	100	LINR	-5.0	20.0	
4-Methyl-2-Pentanone	231	250	AVRG	7.6	20.0	
2-Hexanone	216	250	AVRG	13.6	20.0	
Methyl-tert-butyl ether	91.4	100	AVRG	8.6	20.0	
Iodomethane	122	100	LINR	-22.0	20.0	<-
trans-1,4-Dichloro-2-butene	39.3	50.0	LINR	21.4	20.0	<-
Ethyl Methacrylate	41.1	50.0	AVRG	17.8	20.0	
2,methyl-naphthalene	56.2	50.0	LINR	-12.4	20.0	
n-Hexane	53.0	50.0	AVRG	-6.0	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A111210.B

Instrument ID: 50MSV6 Calibration Date: 11/12/10 Time: 1425

Lab File ID: A01CCV Init. Calib. Date(s): 11/05/10 11/05/10

Heated Purge: (Y/N) N Init. Calib. Times: 1836 2258

GC Column: DB-624 ID: 0.18 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	58.4	50.0	AVRG	-16.8	20.0	
1,2-dichlorotrifluoroethane	49.2	50.0	AVRG	1.6	20.0	
Tetrahydrofuran	51.5	50.0	AVRG	-3.0	20.0	
allyl chloride	93.9	100	AVRG	6.1	20.0	
Diethyl ether	98.6	100	LINR	1.4	20.0	
Isobutyl alcohol	268	250	AVRG	-7.2	20.0	
Methyl methacrylate	42.7	50.0	LINR	14.6	20.0	
2-methyl-2-propanol	40.0	100	LINR	60.0	20.0	<-
Methyl Acetate	47.5	50.0	AVRG	5.0	20.0	
Cyclohexane	52.0	50.0	LINR	-4.0	20.0	
Methylcyclohexane	50.3	50.0	LINR	-0.6	20.0	
2,2,4-Trimethylpentane	53.5	50.0	AVRG	-7.0	20.0	
1,4-Dioxane	47.3	50.0	LINR	5.4	20.0	
Acetonitrile	49.1	50.0	AVRG	1.8	20.0	
Methacrylonitrile	45.9	50.0	AVRG	8.2	20.0	
isopropyl acetate	0.000	50.0	AVRG	100.0	20.0	<-
n-amyl acetate	0.000	50.0	AVRG	100.0	20.0	<-
chloroprene	51.0	50.0	AVRG	-2.0	20.0	
Toluene-d8	50.8	50.0	AVRG	-1.6	20.0	
4-Bromofluorobenzene	45.6	50.0	AVRG	8.8	20.0	
Dibromofluoromethane (S)	51.1	50.0	AVRG	-2.2	20.0	

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a00bfb.D

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Date : 12-NOV-2010 13:47

Client ID: bfb050

Instrument: 50MSV6.i

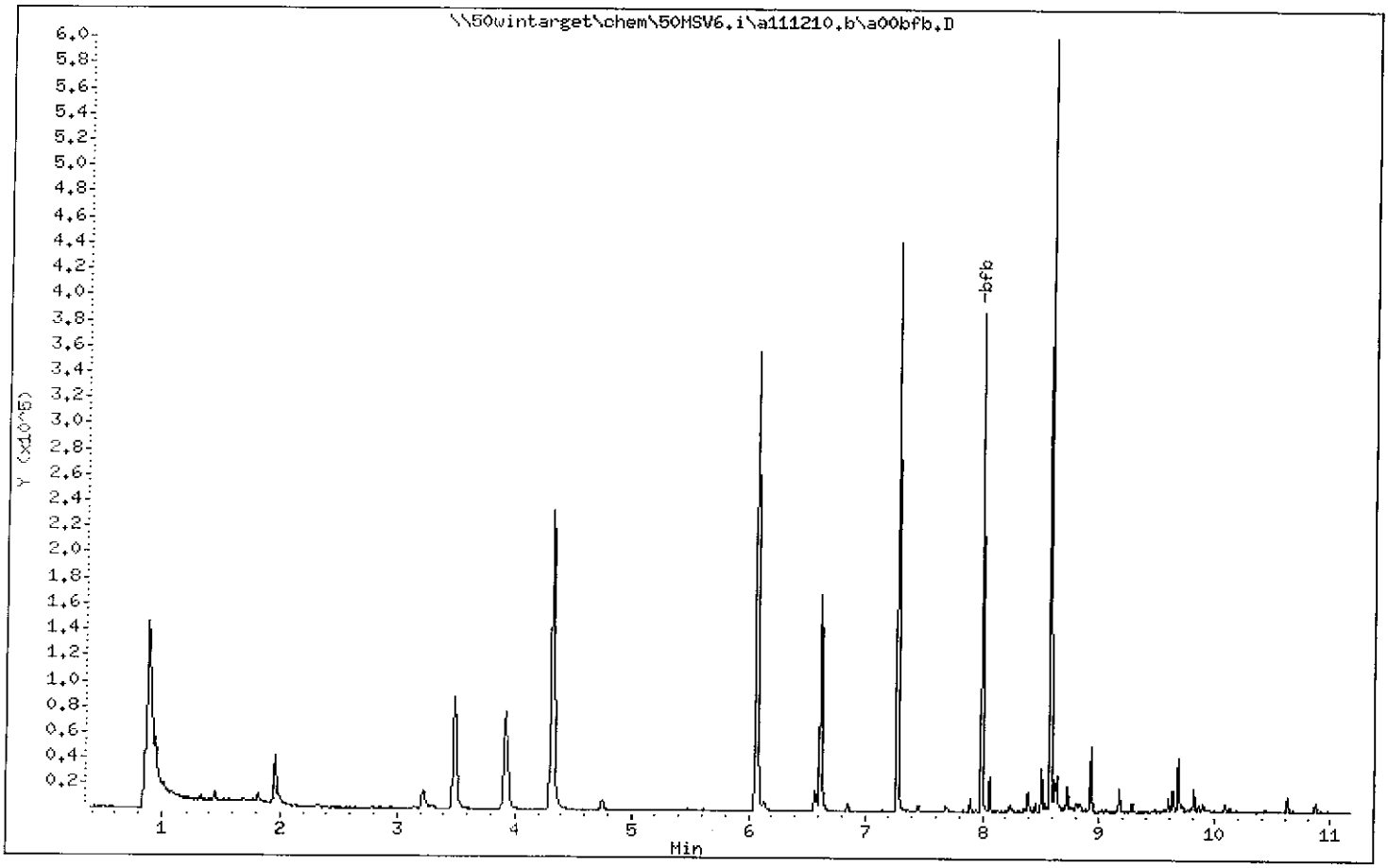
Sample Info: bfb 34C-157

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a00bfb.D

Date : 12-NOV-2010 13:47

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: bfb 34C-157

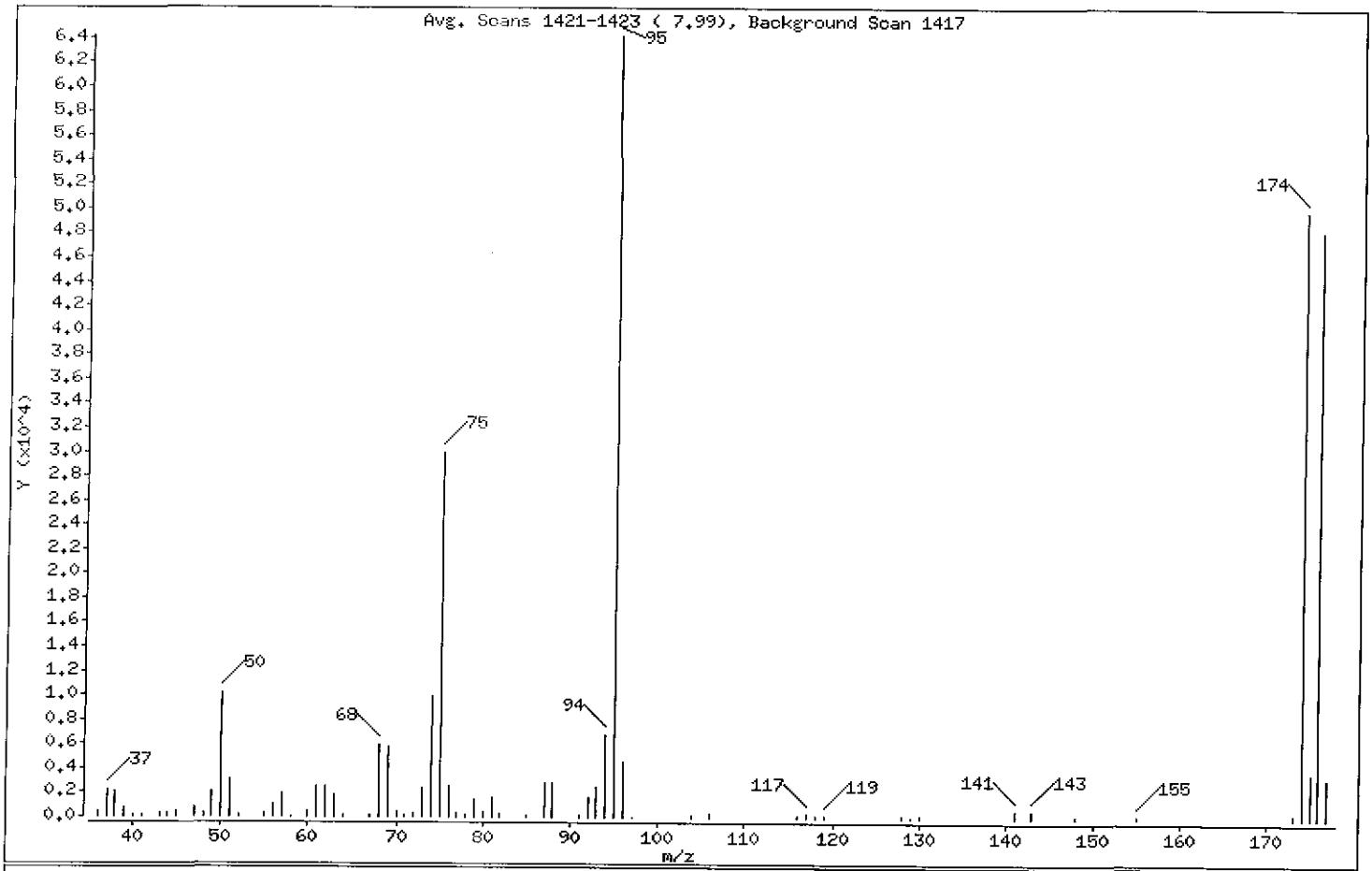
Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.80
75	30.00 - 60.00% of mass 95	46.69
96	5.00 - 9.00% of mass 95	7.12
173	Less than 2.00% of mass 174	0.39 (0.51)
174	50.00 - 100.00% of mass 95	77.68
175	5.00 - 9.00% of mass 174	5.66 (7.29)
176	95.00 - 101.00% of mass 174	75.28 (96.90)
177	5.00 - 9.00% of mass 176	5.00 (6.65)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a00bfb.D

Date : 12-NOV-2010 13:47

Client ID: bfb050

Instrument: 50MSV6.i

Sample Info: bfb 34C-157

Volume Injected (uL): 1.0

Operator: jlf

Column phase:

Column diameter: 2.00

Data File: a00bfb.D

Spectrum: Avg. Scans 1421-1423 (7.99), Background Scan 1417

Location of Maximum: 95.00

Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	502	58.00	51	79.00	1503	118.00	153
37.00	2257	60.00	429	80.00	432	119.00	217
38.00	2111	61.00	2461	81.00	1591	128.00	154
39.00	679	62.00	2434	82.00	344	129.00	54
40.00	95	63.00	1793	85.00	74	130.00	167
41.00	119	64.00	209	87.00	2778	141.00	518
43.00	234	67.00	94	88.00	2864	143.00	550
44.00	317	68.00	5863	91.00	174	148.00	124
45.00	463	69.00	5811	92.00	1633	155.00	135
47.00	702	70.00	480	93.00	2483	173.00	253
48.00	294	71.00	150	94.00	6792	174.00	49824
49.00	2116	72.00	281	95.00	64136	175.00	3633
50.00	10135	73.00	2428	96.00	4567	176.00	48280
51.00	3156	74.00	9915	97.00	64	177.00	3209
52.00	132	75.00	29944	104.00	197		
55.00	238	76.00	2570	106.00	232		
56.00	971	77.00	358	116.00	160		
57.00	1888	78.00	205	117.00	338		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111210.b\a01ccv.D
Lab Smp Id: ccv 34C-142/159 Client Smp ID: ccv
Inj Date : 12-NOV-2010 14:25
Operator : jlf Inst ID: 50MSV6.i
Smp Info : ccv 34C-142/159
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Meth Date : 15-Nov-2010 10:17 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	221657	50.0000	49.4
2	Chloromethane	50	1.039	1.039	(0.241)	156323	50.0000	40.0
3	Vinyl Chloride	62	1.087	1.087	(0.252)	155453	50.0000	47.8
4	Bromomethane	94	1.231	1.231	(0.285)	49939	50.0000	50.2
5	Chloroethane	64	1.280	1.280	(0.296)	51236	50.0000	49.9
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	239370	50.0000	56.9
7	1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	162998	50.0000	49.2
8	Diethyl ether	74	1.536	1.536	(0.356)	72654	100.000	98.6
18	2-methyl-2-propanol	59	2.018	2.018	(0.467)	31670	100.000	40.0(M)
9	Acrolein	56	1.611	1.611	(0.373)	233391	1000.00	774
10	1,1,2trichlorotrifluoroethane	101	1.659	1.659	(0.384)	163055	50.0000	58.4
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	144407	50.0000	54.9
12	Acetone	43	1.686	1.686	(0.391)	158309	250.000	233
143	Acetonitrile	41	1.868	1.868	(0.433)	271593	50.0000	49.1
13	Iodomethane	142	1.756	1.756	(0.407)	384749	100.000	122
14	Carbon Disulfide	76	1.804	1.804	(0.418)	828646	100.000	102
16	Methyl Acetate	43	1.857	1.857	(0.430)	128150	50.0000	47.5
15	allyl chloride	41	1.868	1.868	(0.433)	271593	100.000	93.9
17	Methylene Chloride	84	1.948	1.948	(0.451)	172741	50.0000	54.0
19	Acrylonitrile	53	2.098	2.098	(0.486)	1529617	1000.00	1020
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1074608	100.000	91.4
21	1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	251323	50.0000	55.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	22 n-Hexane	57	2.312	2.312	(0.535)	341509	50.0000	53.0
	147 chloroprene	53	2.505	2.505	(0.580)	335057	50.0000	51.0
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	419500	50.0000	52.3
	24 Vinyl Acetate	43	2.440	2.440	(0.565)	840364	200.000	159
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	258792	50.0000	53.6
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	173345	50.0000	27.8
	28 2-Butanone	43	2.943	2.943	(0.682)	495589	250.000	238
	144 Methacrylonitrile	41	3.152	3.152	(0.730)	108341	50.0000	45.9
	30 Bromochloromethane	49	3.184	3.184	(0.737)	178575	50.0000	51.6
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	84634	50.0000	51.5
	32 Chloroform	83	3.302	3.302	(0.765)	425609	50.0000	50.4
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57927	50.0000	51.1
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	281308	50.0000	41.7
	35 Cyclohexane	56	3.569	3.569	(0.827)	385448	50.0000	52.0
	145 isopropyl acetate	61	1.087	1.087	(0.252)	12687	50.0000	
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	211108	50.0000	36.4
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	337950	50.0000	53.4
	39 Benzene	78	3.933	3.933	(0.911)	918750	50.0000	52.4
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	909809	50.0000	53.5
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	273481	50.0000	50.0
	38 Isobutyl alcohol	43	4.099	4.099	(0.949)	141776	250.000	268
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	221037	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	260134	50.0000	52.5
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	316266	50.0000	50.3
	142 1,4-Dioxane	88	5.142	5.142	(1.191)	3765	50.0000	47.3
	44 1,2-Dichloropropane	63	5.046	5.046	(1.168)	227735	50.0000	50.0
	45 Dibromomethane	93	5.131	5.131	(1.188)	148105	50.0000	51.8
	46 Methyl methacrylate	69	5.147	5.147	(1.192)	121940	50.0000	42.7
	47 Bromodichloromethane	83	5.340	5.340	(1.237)	268449	50.0000	47.6
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	227576	100.000	105
	49 cis-1,3-Dichloropropene	75	5.805	5.805	(0.798)	298496	50.0000	43.4
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	849641	250.000	231
$	51 Toluene-d8	98	6.068	6.068	(0.834)	207742	50.0000	50.8
	52 Toluene	91	6.132	6.132	(0.843)	924164	50.0000	54.0
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	216620	50.0000	36.0
	54 Ethyl Methacrylate	69	6.474	6.474	(0.890)	194726	50.0000	41.1
	55 1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	156187	50.0000	49.3
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	306218	50.0000	57.9
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	306932	50.0000	51.6
	58 2-Hexanone	43	6.758	6.758	(0.929)	560383	250.000	216
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	183042	50.0000	47.3
	60 1,2-Dibromoethane	107	6.945	6.945	(0.955)	184633	50.0000	49.9
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	150814	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	605793	50.0000	53.8
	63 1,1,1,2-Tetrachloroethane	131	7.362	7.362	(1.013)	161043	50.0000	43.8
	64 Ethylbenzene	106	7.362	7.362	(1.013)	293221	50.0000	51.9
	65 m&p-Xylene	106	7.453	7.453	(1.025)	716069	100.000	103
	67 o-Xylene	106	7.683	7.683	(1.057)	363161	50.0000	50.5
	68 Styrene	104	7.694	7.694	(1.058)	581533	50.0000	50.2
	69 Bromoform	173	7.801	7.801	(0.909)	102193	50.0000	42.4
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	957883	50.0000	52.5
$	72 4-Bromofluorobenzene	95	7.993	7.993	(1.099)	67903	50.0000	45.6
	74 Bromobenzene	77	8.063	8.063	(1.109)	344037	50.0000	48.9
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	237307	50.0000	51.0

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	215487	50.0000	42.7
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	41596	50.0000	39.3
76	n-Propylbenzene	91	8.122	8.122	(0.946)	1042099	50.0000	53.6
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	647319	50.0000	53.7
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	800685	50.0000	54.8
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	218551	50.0000	54.3
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	901956	50.0000	54.8
81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	801580	50.0000	53.5
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	1066647	50.0000	55.9
83	1,3-Dichlorobenzene	146	8.544	8.544	(0.996)	443202	50.0000	53.8
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	876160	50.0000	55.6
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	77535	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	448478	50.0000	53.4
87	n-Butylbenzene	91	8.753	8.753	(1.020)	800997	50.0000	55.0
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	434387	50.0000	54.5
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	37641	50.0000	43.8
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	387722	50.0000	56.9
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	212774	50.0000	56.0
92	Naphthalene	128	9.588	9.588	(1.117)	916368	50.0000	49.3
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	353960	50.0000	55.6
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	580882	50.0000	56.2

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a01ccv.D
Lab Smp Id: ccv 34C-142/159
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 13-NOV-2010
Calibration Time: 02:54
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	259758	129879	519516	221037	-14.91
61 Chlorobenzene-d5	176241	88121	352482	150814	-14.43
85 1,4-Dichlorobenze	89014	44507	178028	77535	-12.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 12-NOV-2010 14:25
Lab File ID: a01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv 34C-142/159 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	1.01396	1.00280	1.00280	0.100	-1.10000	20.00000	Averaged	
2 Chloromethane	0.88442	0.70723	0.70723	0.100	-20.03551	20.00000	Averaged	<-
3 Vinyl Chloride	50.00000	47.82127	0.70329	0.100	-4.35746	0.000e+000	Linear	
4 Bromomethane	50.00000	50.15878	0.22593	0.100	0.31756	0.000e+000	Quadratic	
5 Chloroethane	0.23205	0.23180	0.23180	0.100	-0.10981	20.00000	Averaged	
6 Trichlorofluoromethane	0.95212	1.08294	1.08294	0.100	13.73998	20.00000	Averaged	
7 1,2-dichlorotrifluoroethane	0.74898	0.73742	0.73742	0.100	-1.54313	20.00000	Averaged	
8 Diethyl ether	100	98.63367	0.16435	0.100	-1.36633	0.000e+000	Linear	
18 2-methyl-2-propanol	100	40.05182	0.07164	0.100	-59.94818	0.000e+000	Linear	
9 Acrolein	1000	774	0.05279	0.100	-22.61559	0.000e+000	Linear	
10 1,1,2trichlorotrifluoroetha	0.63105	0.73768	0.73768	0.100	16.89780	20.00000	Averaged	
11 1,1-Dichloroethene	0.59457	0.65332	0.65332	0.100	9.87986	20.00000	Averaged	
12 Acetone	250	233	0.14324	0.100	-6.82286	0.000e+000	Linear	
143 Acetonitrile	1.25003	1.22872	1.22872	0.100	-1.70446	20.00000	Averaged	
13 Iodomethane	100	122	0.87033	0.100	21.78088	0.000e+000	Linear	
14 Carbon Disulfide	1.84531	1.87445	1.87445	0.100	1.57944	20.00000	Averaged	
16 Methyl Acetate	0.61041	0.57977	0.57977	0.100	-5.01952	20.00000	Averaged	
15 allyl chloride	0.65439	0.61436	0.61436	0.100	-6.11713	20.00000	Averaged	
17 Methylene Chloride	50.00000	54.00036	0.78150	0.100	8.00073	0.000e+000	Linear	
19 Acrylonitrile	0.33732	0.34601	0.34601	0.100	2.57631	20.00000	Averaged	
20 Methyl-tert-butyl ether	2.66043	2.43083	2.43083	0.100	-8.62999	20.00000	Averaged	
21 1,2-Dichloroethene (trans)	1.02859	1.13702	1.13702	0.100	10.54148	20.00000	Averaged	
22 n-Hexane	1.45856	1.54503	1.54503	0.100	5.92820	20.00000	Averaged	
147 chloroprene	1.48497	1.51584	1.51584	0.100	2.07869	20.00000	Averaged	
23 1,1-Dichloroethane	1.81376	1.89787	1.89787	0.100	4.63718	20.00000	Averaged	
24 Vinyl Acetate	1.19467	0.95048	0.95048	0.100	-20.44000	20.00000	Averaged	<-
26 1,2-Dichloroethene (cis)	1.09252	1.17081	1.17081	0.100	7.16610	20.00000	Averaged	
27 2,2-Dichloropropane	1.41033	0.78424	0.78424	0.100	-44.39338	20.00000	Averaged	<-
28 2-Butanone	0.47053	0.44842	0.44842	0.100	-4.69793	20.00000	Averaged	
144 Methacrylonitrile	0.53390	0.49015	0.49015	0.100	-8.19446	20.00000	Averaged	
30 Bromochloromethane	0.78277	0.80790	0.80790	0.100	3.21014	20.00000	Averaged	
31 Tetrahydrofuran	0.37141	0.38290	0.38290	0.100	3.09358	20.00000	Averaged	
32 Chloroform	1.90911	1.92551	1.92551	0.100	0.85894	20.00000	Averaged	
$ 33 Dibromofluoromethane (S)	0.25633	0.26207	0.26207	0.100	2.23886	20.00000	Averaged	
34 1,1,1-Trichloroethane	1.52719	1.27267	1.27267	0.100	-16.66555	20.00000	Averaged	
35 Cyclohexane	50.00000	51.97261	1.74382	0.100	3.94522	0.000e+000	Linear	
145 isopropyl acetate	++++	0.05740	0.05740	0.100	++++	20.00000	Averaged	<-
36 Carbon Tetrachloride	1.30992	0.95508	0.95508	0.100	-27.08846	20.00000	Averaged	<-
37 1,1-Dichloropropene	1.43030	1.52893	1.52893	0.100	6.89541	20.00000	Averaged	
39 Benzene	3.96552	4.15654	4.15654	0.100	4.81706	20.00000	Averaged	
141 2,2,4-Trimethylpentane	3.84668	4.11609	4.11609	0.100	7.00390	20.00000	Averaged	
40 1,2-Dichloroethane	1.23757	1.23726	1.23726	0.100	-0.02503	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 12-NOV-2010 14:25
Lab File ID: a01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv 34C-142/159 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	0.11983	0.12828	0.12828	0.100	7.05088	20.00000	Averaged	
42 Trichloroethene	1.12067	1.17688	1.17688	0.100	5.01590	20.00000	Averaged	
43 Methylcyclohexane	50.00000	50.32296	1.43083	0.100	0.64593	0.000e+000	Linear	
142 1,4-Dioxane	50.00000	47.32579	0.01703	0.100	-5.34841	0.000e+000	Linear	
44 1,2-Dichloropropane	1.02923	1.03030	1.03030	0.100	0.10431	20.00000	Averaged	
45 Dibromomethane	0.64705	0.67005	0.67005	0.100	3.55343	20.00000	Averaged	
46 Methyl methacrylate	50.00000	42.69482	0.55167	0.100	-14.61036	0.000e+000	Linear	
47 Bromodichloromethane	1.27587	1.21450	1.21450	0.100	-4.81052	20.00000	Averaged	
48 2-Chloroethyl vinyl ether	100	105	0.75449	0.100	5.24868	0.000e+000	Linear	
49 cis-1,3-Dichloropropene	2.28033	1.97923	1.97923	0.100	-13.20426	20.00000	Averaged	
50 4-Methyl-2-Pentanone	1.21867	1.12674	1.12674	0.100	-7.54344	20.00000	Averaged	
$ 51 Toluene-d8	1.35696	1.37747	1.37747	0.100	1.51165	20.00000	Averaged	
52 Toluene	50.00000	54.01326	6.12784	0.100	8.02652	0.000e+000	Linear	
53 trans-1,3-Dichloropropene	1.99419	1.43634	1.43634	0.100	-27.97394	20.00000	Averaged	<-
54 Ethyl Methacrylate	1.67038	1.29117	1.29117	0.100	-17.77978	20.00000	Averaged	
55 1,1,2-Trichloroethane	1.05106	1.03563	1.03563	0.100	-1.46850	20.00000	Averaged	
56 Tetrachloroethene	1.75238	2.03043	2.03043	0.100	15.86737	20.00000	Averaged	
57 1,3-Dichloropropane	1.97137	2.03517	2.03517	0.100	3.23605	20.00000	Averaged	
58 2-Hexanone	0.85988	0.74314	0.74314	0.100	-13.57611	20.00000	Averaged	
59 Dibromochloromethane	1.28400	1.21369	1.21369	0.100	-5.47568	20.00000	Averaged	
60 1,2-Dibromoethane	1.22723	1.22424	1.22424	0.100	-0.24333	20.00000	Averaged	
62 Chlorobenzene	3.73304	4.01682	4.01682	0.300	7.60189	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	1.21807	1.06783	1.06783	0.100	-12.33467	20.00000	Averaged	
64 Ethylbenzene	1.87359	1.94426	1.94426	0.100	3.77181	20.00000	Averaged	
65 m&p-Xylene	2.30595	2.37401	2.37401	0.100	2.95181	20.00000	Averaged	
67 o-Xylene	2.38182	2.40801	2.40801	0.100	1.09936	20.00000	Averaged	
68 Styrene	3.83852	3.85596	3.85596	0.100	0.45447	20.00000	Averaged	
69 Bromoform	50.00000	42.42668	1.31802	0.100	-15.14663	0.000e+000	Linear	
70 Isopropylbenzene	6.05336	6.35142	6.35142	0.100	4.92384	20.00000	Averaged	
$ 72 4-Bromofluorobenzene	0.49351	0.45024	0.45024	0.100	-8.76709	20.00000	Averaged	
74 Bromobenzene	2.33247	2.28120	2.28120	0.100	-2.19797	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	3.00225	3.06064	3.06064	0.300	1.94512	20.00000	Averaged	
75 1,2,3-Trichloropropane	3.25432	2.77922	2.77922	0.100	-14.59895	20.00000	Averaged	
71 trans-1,4-Dichloro-2-butene	50.00000	39.28466	0.27581	0.100	-21.43068	0.000e+000	Linear	
76 n-Propylbenzene	12.54250	13.44037	13.44037	0.100	7.15861	20.00000	Averaged	
77 2-Chlorotoluene	7.77674	8.34873	8.34873	0.100	7.35516	20.00000	Averaged	
78 1,3,5-Trimethylbenzene	9.43053	10.32676	10.32676	0.100	9.50346	20.00000	Averaged	
79 4-Chlorotoluene	2.59622	2.81874	2.81874	0.100	8.57097	20.00000	Averaged	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert-Butylbenzene	10.61604	11.63289	11.63289	0.100	9.57841	20.00000	Averaged	
81 1,2,4-Trimethylbenzene	9.66526	10.33830	10.33830	0.100	6.96353	20.00000	Averaged	
82 sec-Butylbenzene	12.30659	13.75697	13.75697	0.100	11.78539	20.00000	Averaged	

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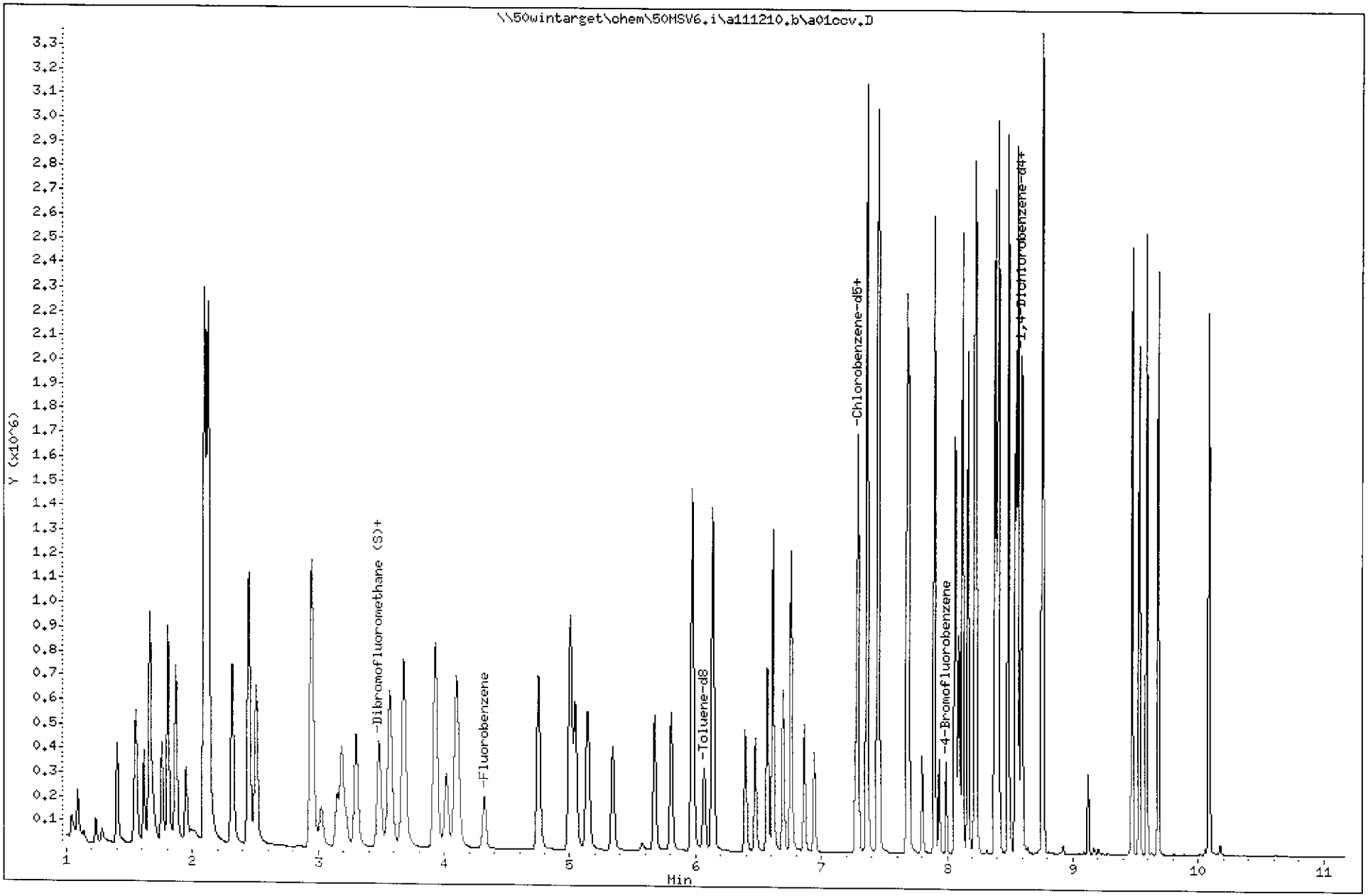
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV6.i Injection Date: 12-NOV-2010 14:25
Lab File ID: a01ccv.D Init. Cal. Date(s): 05-NOV-2010 05-NOV-2010
Analysis Type: WATER Init. Cal. Times: 18:36 22:58
Lab Sample ID: ccv 34C-142/159 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
83 1,3-Dichlorobenzene	5.31250	5.71615	5.71615	0.100	7.59822	20.00000	Averaged
84 p-Isopropyltoluene	10.16573	11.30019	11.30019	0.100	11.15966	20.00000	Averaged
86 1,4-Dichlorobenzene	5.41212	5.78420	5.78420	0.100	6.87504	20.00000	Averaged
87 n-Butylbenzene	9.38884	10.33078	10.33078	0.100	10.03251	20.00000	Averaged
88 1,2-Dichlorobenzene	5.13912	5.60246	5.60246	0.100	9.01601	20.00000	Averaged
89 1,2-Dibromo-3-chloropropane	0.55378	0.48547	0.48547	0.100	-12.33441	20.00000	Averaged
90 1,2,4-Trichlorobenzene	4.39281	5.00061	5.00061	0.100	13.83623	20.00000	Averaged
91 Hexachlorobutadiene	2.45222	2.74423	2.74423	0.100	11.90824	20.00000	Averaged
92 Naphthalene	50.00000	49.34419	11.81877	0.100	-1.31161	0.000e+000	Linear
93 1,2,3-Trichlorobenzene	4.10173	4.56516	4.56516	0.100	11.29859	20.00000	Averaged
94 2,methyl-naphthalene	50.00000	56.22696	7.49187	0.100	12.45392	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a01ccv.D
Date : 12-NOV-2010 14:25
Client ID: ccv
Sample Info: ccv 34C-142/159
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Pace Analytical®

VOA 8260B
GC/MS Volatiles

Section 4: Quality Control Data

**** Laboratory Control Samples (LCS)***
**** Matrix Spike and Spike Duplicate Samples (MS/MSD)***

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a02lcs.D
Lab Smp Id: lcs 34C-141 Client Smp ID: lcs
Inj Date : 11-NOV-2010 13:40
Operator : jlf Inst ID: 50MSV6.i
Smp Info : lcs 34C-141
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.954	0.953	(0.221)	284421	60.1396	60.1
2	Chloromethane	50	1.039	1.039	(0.241)	177684	43.0732	43.1
3	Vinyl Chloride	62	1.087	1.087	(0.252)	181460	52.8428	52.8
4	Bromomethane	94	1.237	1.232	(0.287)	71129	96.8814	96.9(R)
5	Chloroethane	64	1.285	1.280	(0.298)	62748	57.9738	58.0
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	270457	60.9012	60.9
7	1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	146833	42.0312	42.0
8	Diethyl ether	74	1.537	1.536	(0.356)	62673	80.3738	80.4
18	2-methyl-2-propanol	59	2.013	2.018	(0.466)	34151	41.1087	41.1(Q)
9	Acrolein	56	1.612	1.611	(0.373)	182944	570.427	570
10	1,1,2trichlorotrifluoroethane	101	1.660	1.660	(0.384)	123530	41.9690	42.0
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	126313	45.5472	45.5
12	Acetone	43	1.686	1.686	(0.391)	208321	298.696	299
143	Acetonitrile	41	1.868	1.868	(0.433)	212548	36.4549	36.4
13	Iodomethane	142	1.756	1.756	(0.407)	312381	91.6279	91.6
14	Carbon Disulfide	76	1.804	1.804	(0.418)	708347	82.2994	82.3
16	Methyl Acetate	43	1.858	1.857	(0.430)	77813	27.3308	27.3
15	allyl chloride	41	1.868	1.868	(0.433)	212548	69.6368	69.6(R)
17	Methylene Chloride	84	1.949	1.948	(0.451)	152699	43.5053	43.5
19	Acrylonitrile	53	2.098	2.098	(0.486)	1345956	855.479	855
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	983306	79.2422	79.2
21	1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	219878	45.8310	45.8

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)
	22 n-Hexane	57	2.318	2.318	(0.537)	284028	41.7498	41.7
	147 chloroprene	53	2.505	2.505	(0.580)	253286	36.5689	36.6
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	363219	42.9345	42.9
	24 Vinyl Acetate	43	2.441	2.441	(0.565)	1127006	202.254	202
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	241251	47.3434	47.3
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	188523	28.6592	28.6
	28 2-Butanone	43	2.938	2.943	(0.680)	491192	223.813	224
	144 Methacrylonitrile	41	3.152	3.152	(0.730)	92541	37.1616	37.2
	30 Bromochloromethane	49	3.184	3.184	(0.737)	163797	44.8634	44.9
	31 Tetrahydrofuran	42	3.570	3.569	(0.827)	68747	39.6848	39.7
	32 Chloroform	83	3.297	3.302	(0.763)	361953	40.6481	40.6
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59717	49.9479	49.9
	34 1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	265776	37.3115	37.3
	35 Cyclohexane	56	3.570	3.569	(0.827)	295483	37.0712	37.1
	145 isopropyl acetate	61	1.087	1.087	(0.252)	14900		(Q)
	36 Carbon Tetrachloride	117	3.671	3.676	(0.850)	204746	33.5113	33.5
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	302543	45.3501	45.4
	39 Benzene	78	3.933	3.933	(0.911)	832109	44.9882	45.0
	141 2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	938691	52.3186	52.3
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	249890	43.2909	43.3
	38 Isobutyl alcohol	43	4.051	4.099	(0.938)	1450438	2595.02	2600(Q)
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	233212	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	225755	43.1896	43.2
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	255346	37.8576	37.8
	142 1,4-Dioxane	88	5.148	5.142	(1.192)	56756	659.842	660
	44 1,2-Dichloropropane	63	5.046	5.046	(1.168)	205566	42.8212	42.8
	45 Dibromomethane	93	5.132	5.131	(1.188)	135324	44.8388	44.8
	46 Methyl methacrylate	69	5.148	5.148	(1.192)	463052	149.799	150
	47 Bromodichloromethane	83	5.346	5.340	(1.238)	245723	41.2912	41.3
	48 2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	64762	28.0057	28.0
	49 cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	277390	38.6728	38.7
	50 4-Methyl-2-Pentanone	43	5.972	5.971	(0.821)	763177	199.091	199
$	51 Toluene-d8	98	6.062	6.068	(0.834)	214983	50.3675	50.4
	52 Toluene	91	6.132	6.132	(0.843)	851531	47.2608	47.3
	53 trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	207345	33.0552	33.0
	54 Ethyl Methacrylate	69	6.474	6.474	(0.890)	757875	153.429	153
	55 1,1,2-Trichloroethane	83	6.571	6.565	(0.904)	149569	45.2404	45.2
	56 Tetrachloroethene	166	6.614	6.613	(0.910)	226132	41.0249	41.0
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	283671	45.7466	45.7
	58 2-Hexanone	43	6.758	6.758	(0.929)	543250	200.851	201
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	163631	40.5147	40.5
	60 1,2-Dibromoethane	107	6.945	6.945	(0.955)	176208	45.6471	45.6
*	61 Chlorobenzene-d5	117	7.272	7.271	(1.000)	157274	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	549166	46.7686	46.8
	63 1,1,1,2-Tetrachloroethane	131	7.357	7.362	(1.012)	150780	39.3536	39.4
	64 Ethylbenzene	106	7.362	7.362	(1.013)	272577	46.2518	46.2
	65 m&p-Xylene	106	7.453	7.453	(1.025)	668193	92.1225	92.1
	67 o-Xylene	106	7.683	7.683	(1.057)	336261	44.8828	44.9
	68 Styrene	104	7.694	7.694	(1.058)	553588	45.8497	45.8
	69 Bromoform	173	7.801	7.801	(0.909)	93348	37.9533	38.0
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	862645	45.3053	45.3
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	71762	46.2287	46.2
	74 Bromobenzene	77	8.063	8.063	(1.109)	322140	43.9078	43.9
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	218824	45.5025	45.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	348775	66.9070	66.9
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	157439	145.038	145(Q)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	980120	48.7845	48.8
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	619255	49.7117	49.7
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	755640	50.0225	50.0
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	210110	50.5233	50.5
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	660709	38.8538	38.8
81	1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	739126	47.7410	47.7
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	994171	50.4324	50.4
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	408444	47.9977	48.0
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	814010	49.9894	50.0
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	80091	50.0000	
86	1,4-Dichlorobenzene	146	8.593	8.598	(1.001)	412936	47.6323	47.6
87	n-Butylbenzene	91	8.753	8.753	(1.020)	744153	49.4808	49.5
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	396152	48.1237	48.1
89	1,2-Dibromo-3-chloropropane	155	9.123	9.122	(1.063)	36368	40.9988	41.0
90	1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	340444	48.3827	48.4
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	191360	48.7168	48.7
92	Naphthalene	128	9.588	9.588	(1.117)	873799	44.4684	44.5
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	324403	49.3747	49.4
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	566781	52.7017	52.7

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a02lcs.D
Lab Smp Id: lcs 34C-141
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	233212	-1.75
61 Chlorobenzene-d5	157497	78749	314994	157274	-0.14
85 1,4-Dichlorobenze	79662	39831	159324	80091	0.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: lcs 34C-141
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Client SDG: a111110.b
Fraction: VOA
Client Smp ID: lcs
Operator: jlf
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	60.1	120.28	30-170
2 Chloromethane	50.0	43.1	86.15	35-147
3 Vinyl Chloride	50.0	52.8	105.69	55-141
4 Bromomethane	50.0	96.9	193.76*	30-170
5 Chloroethane	50.0	58.0	115.95	56-153
6 Trichlorofluoromet	50.0	60.9	121.80	62-150
8 Diethyl ether	100	80.4	80.37	70-130
9 Acrolein	1000	570	57.04	30-170
11 1,1-Dichloroethene	50.0	45.5	91.09	63-128
10 1,1,2trichlorotrif	50.0	42.0	83.94	74-153
12 Acetone	250	299	119.48	30-170
13 Iodomethane	100	91.6	91.63	41-170
14 Carbon Disulfide	100	82.3	82.30	58-152
15 allyl chloride	100	69.6	69.64*	70-130
17 Methylene Chloride	50.0	43.5	87.01	32-164
19 Acrylonitrile	1000	855	85.55	67-136
21 1,2-Dichloroethene	50.0	45.8	91.66	71-126
20 Methyl-tert-butyl	100	79.2	79.24	66-147
22 n-Hexane	50.0	41.7	83.50	69-157
23 1,1-Dichloroethane	50.0	42.9	85.87	67-133
24 Vinyl Acetate	200	202	101.13	41-145
27 2,2-Dichloropropan	50.0	28.6	57.32	52-144
26 1,2-Dichloroethene	50.0	47.3	94.69	74-128
28 2-Butanone	250	224	89.53	47-189
7 1,2-dichlorotriflu	50.0	42.0	84.06	54-162
30 Bromochloromethane	50.0	44.9	89.73	54-162
32 Chloroform	50.0	40.6	81.30	74-131
34 1,1,1-Trichloroeth	50.0	37.3	74.62	69-136
36 Carbon Tetrachlori	50.0	33.5	67.02	62-143
37 1,1-Dichloropropen	50.0	45.4	90.70	75-134
39 Benzene	50.0	45.0	89.98	78-127
40 1,2-Dichloroethane	50.0	43.3	86.58	69-139
42 Trichloroethene	50.0	43.2	86.38	74-130
44 1,2-Dichloropropan	50.0	42.8	85.64	76-129
45 Dibromomethane	50.0	44.8	89.68	73-133
46 Methyl methacrylat	200	150	74.90	70-130
47 Bromodichlorometha	50.0	41.3	82.58	69-133
49 cis-1,3-Dichloropr	50.0	38.7	77.35	54-123
50 4-Methyl-2-Pentano	250	199	79.64	61-135
52 Toluene	50.0	47.3	94.52	75-129

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
53 trans-1,3-Dichloro	50.0	33.0	66.11	54-123
54 Ethyl Methacrylate	200	153	76.71	59-138
55 1,1,2-Trichloroeth	50.0	45.2	90.48	77-132
56 Tetrachloroethene	50.0	41.0	82.05	60-119
57 1,3-Dichloropropan	50.0	45.7	91.49	74-126
58 2-Hexanone	250	201	80.34	57-167
59 Dibromochlorometha	50.0	40.5	81.03	66-131
60 1,2-Dibromoethane	50.0	45.6	91.29	75-126
62 Chlorobenzene	50.0	46.8	93.54	75-123
63 1,1,1,2-Tetrachlor	50.0	39.4	78.71	69-130
64 Ethylbenzene	50.0	46.2	92.50	81-126
65 m&p-Xylene	100	92.1	92.12	71-131
67 o-Xylene	50.0	44.9	89.77	72-127
68 Styrene	50.0	45.8	91.70	74-128
69 Bromoform	50.0	38.0	75.91	60-127
70 Isopropylbenzene	50.0	45.3	90.61	80-130
71 trans-1,4-Dichloro	200	145	72.52	50-150
74 Bromobenzene	50.0	43.9	87.82	62-139
73 1,1,2,2-Tetrachlor	50.0	45.5	91.00	69-130
75 1,2,3-Trichloropro	100	66.9	66.91	60-131
76 n-Propylbenzene	50.0	48.8	97.57	71-132
77 2-Chlorotoluene	50.0	49.7	99.42	72-128
79 4-Chlorotoluene	50.0	50.5	101.05	73-124
78 1,3,5-Trimethylben	50.0	50.0	100.04	74-130
80 tert-Butylbenzene	50.0	38.8	77.71	63-117
81 1,2,4-Trimethylben	50.0	47.7	95.48	73-130
82 sec-Butylbenzene	50.0	50.4	100.86	73-130
83 1,3-Dichlorobenzen	50.0	48.0	96.00	76-125
84 p-Isopropyltoluene	50.0	50.0	99.98	66-131
86 1,4-Dichlorobenzen	50.0	47.6	95.26	75-122
88 1,2-Dichlorobenzen	50.0	48.1	96.25	76-124
87 n-Butylbenzene	50.0	49.5	98.96	68-135
89 1,2-Dibromo-3-chlo	50.0	41.0	82.00	61-125
90 1,2,4-Trichloroben	50.0	48.4	96.77	60-130
91 Hexachlorobutadien	50.0	48.7	97.43	70-130
92 Naphthalene	50.0	44.5	88.94	61-135
93 1,2,3-Trichloroben	50.0	49.4	98.75	58-131
16 Methyl Acetate	50.0	27.3	54.66	30-170
35 Cyclohexane	50.0	37.1	74.14	63-134
43 Methylcyclohexane	50.0	37.8	75.72	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.9	99.90	80-123
$ 51 Toluene-d8	50.0	50.4	100.74	80-116
$ 72 4-Bromofluorobenze	50.0	46.2	92.46	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: lcs 34C-141
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	60.1	
74-87-3	Chloromethane	43.1	
75-01-4	Vinyl Chloride	52.8	
74-83-9	Bromomethane	96.9	
75-00-3	Chloroethane	58.0	
75-69-4	Trichlorofluoromethane	60.9	
354-23-4	1,2-dichlorotrifluoroethane	42.0	
60-29-7	Diethyl ether	80.4	
75-65-0	2-methyl-2-propanol	41.1	
107-02-8	Acrolein	570	
76-13-1	1,1,2trichlorotrifluoroethan	42.0	
75-35-4	1,1-Dichloroethene	45.5	
67-64-1	Acetone	299	
75-05-8	Acetonitrile	36.4	
----------	Iodomethane	91.6	
75-15-0	Carbon Disulfide	82.3	
79-20-9	Methyl Acetate	27.3	
107-05-1	allyl chloride	69.6	
75-09-2	Methylene Chloride	43.5	
107-13-1	Acrylonitrile	855	
1634-04-4	Methyl-tert-butyl ether	79.2	
156-60-5	1,2-Dichloroethene (trans)	45.8	
----------	n-Hexane	41.7	
126-99-8	chloroprene	36.6	
75-34-3	1,1-Dichloroethane	42.9	
108-05-4	Vinyl Acetate	202	
156-59-2	1,2-Dichloroethene (cis)	47.3	
594-20-7	2,2-Dichloropropane	28.6	
78-93-3	2-Butanone	224	
126-98-7	Methacrylonitrile	37.2	
74-97-5	Bromochloromethane	44.9	
----------	Tetrahydrofuran	39.7	
67-66-3	Chloroform	40.6	
71-55-6	1,1,1-Trichloroethane	37.3	
110-82-7	Cyclohexane	37.1	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	33.5	
563-58-6	1,1-Dichloropropene	45.4	
71-43-2	Benzene	45.0	
540-84-1	2,2,4-Trimethylpentane	52.3	
107-06-2	1,2-Dichloroethane	43.3	
78-83-1	Isobutyl alcohol	2600	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: lcs 34C-141
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	43.2	
108-87-2	Methylcyclohexane	37.8	
----------	1,4-Dioxane	660	
78-87-5	1,2-Dichloropropane	42.8	
74-95-3	Dibromomethane	44.8	
80-62-6	Methyl methacrylate	150	
75-27-4	Bromodichloromethane	41.3	
110-75-8	2-Chloroethyl vinyl ether	28.0	
10061-01-5	cis-1,3-Dichloropropene	38.7	
108-10-1	4-Methyl-2-Pentanone	199	
108-88-3	Toluene	47.3	
10061-02-6	trans-1,3-Dichloropropene	33.0	
----------	Ethyl Methacrylate	153	
79-00-5	1,1,2-Trichloroethane	45.2	
127-18-4	Tetrachloroethene	41.0	
142-28-9	1,3-Dichloropropane	45.7	
591-78-6	2-Hexanone	201	
124-48-1	Dibromochloromethane	40.5	
106-93-4	1,2-Dibromoethane	45.6	
108-90-7	Chlorobenzene	46.8	
630-20-6	1,1,1,2-Tetrachloroethane	39.4	
100-41-4	Ethylbenzene	46.2	
7816-60-0	m&p-Xylene	92.1	
95-47-6	o-Xylene	44.9	
100-42-5	Styrene	45.8	
75-25-2	Bromoform	38.0	
98-82-8	Isopropylbenzene	45.3	
108-86-1	Bromobenzene	43.9	
79-34-5	1,1,2,2-Tetrachloroethane	45.5	
96-18-4	1,2,3-Trichloropropane	66.9	
----------	trans-1,4-Dichloro-2-butene	145	
103-65-1	n-Propylbenzene	48.8	
95-49-8	2-Chlorotoluene	49.7	
108-67-8	1,3,5-Trimethylbenzene	50.0	
106-43-4	4-Chlorotoluene	50.5	
98-06-6	tert-Butylbenzene	38.8	
95-63-6	1,2,4-Trimethylbenzene	47.7	
135-98-8	sec-Butylbenzene	50.4	
541-73-1	1,3-Dichlorobenzene	48.0	
99-87-6	p-Isopropyltoluene	50.0	
106-46-7	1,4-Dichlorobenzene	47.6	
104-51-8	n-Butylbenzene	49.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: lcs 34C-141
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

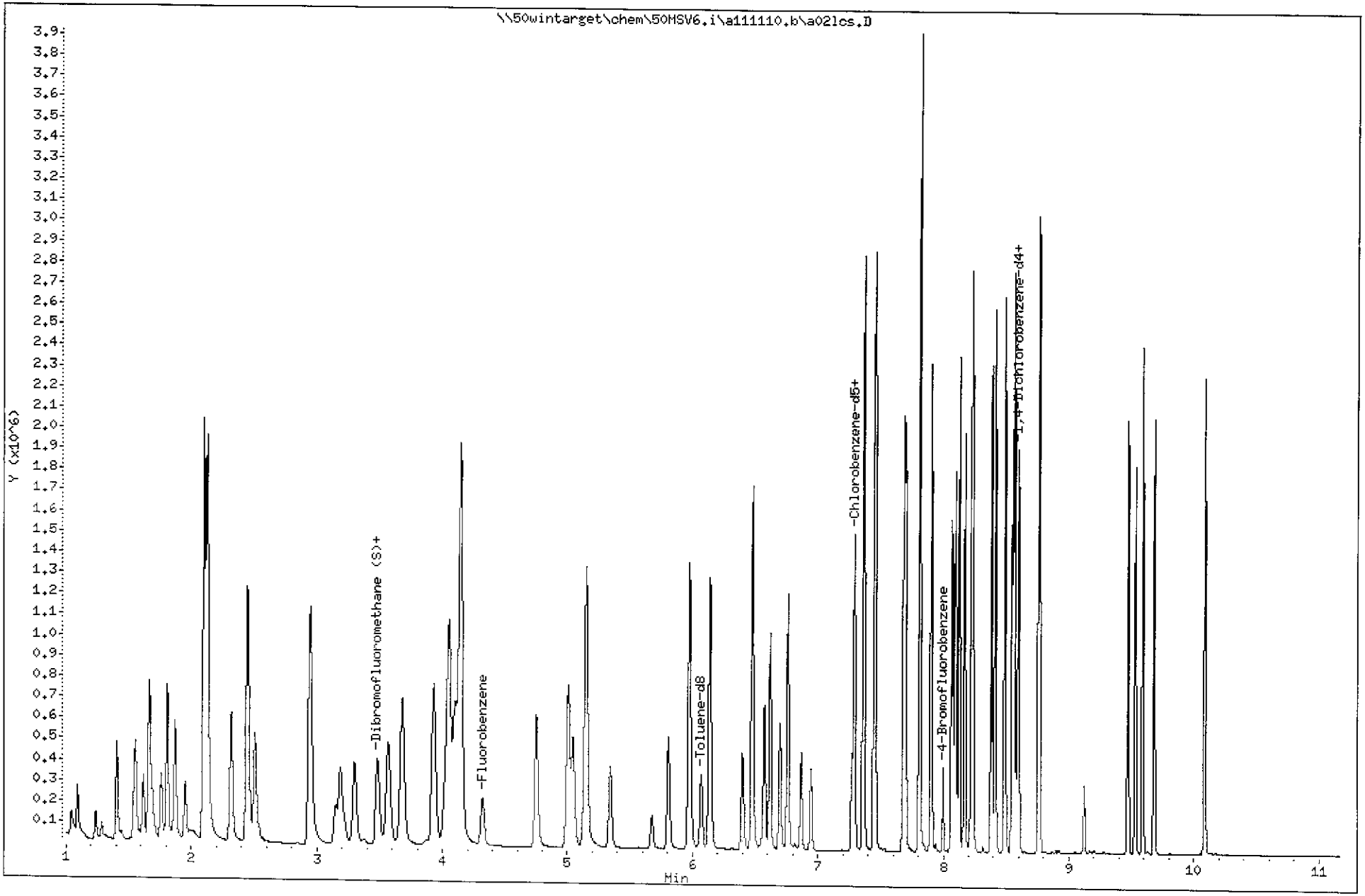
Client SDG: a111110.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
95-50-1	1,2-Dichlorobenzene	48.1	
96-12-8	1,2-Dibromo-3-chloropropane	41.0	
120-82-1	1,2,4-Trichlorobenzene	48.4	
87-68-3	Hexachlorobutadiene	48.7	
91-20-3	Naphthalene	44.5	
87-61-6	1,2,3-Trichlorobenzene	49.4	
----------	2,methyl-naphthalene	52.7	
1868-53-7	Dibromofluoromethane (S)	49.9	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	46.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a02lcs.D
Date : 11-NOV-2010 13:40
Client ID: lcs
Sample Info: lcs 34C-141
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a02lcs.D

Date : 11-NOV-2010 13:40

Client ID: lcs

Instrument: 50MSV6.i

Sample Info: lcs 34C-141

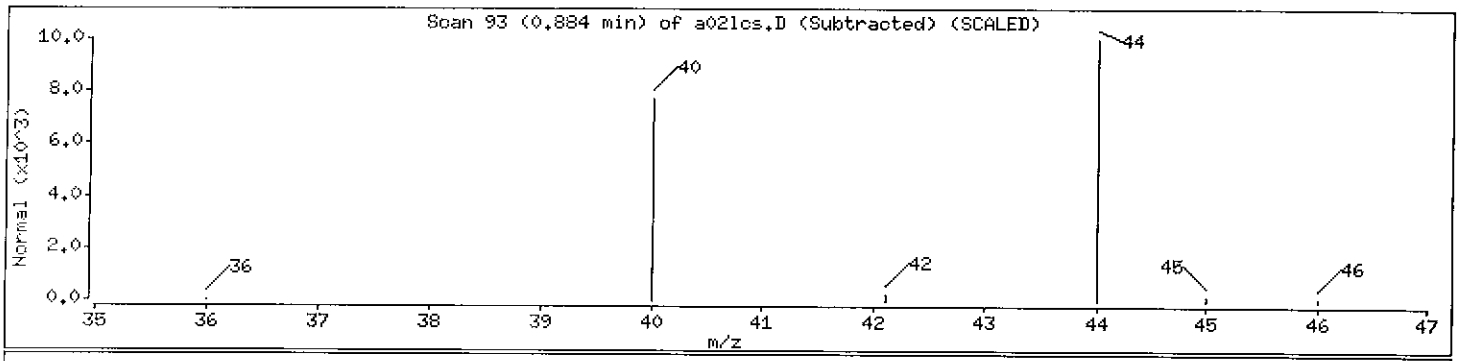
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a10.D
Lab Smp Id: ms5043009005 Client Smp ID: ms5043009005
Inj Date : 11-NOV-2010 18:39
Operator : jlf Inst ID: 50MSV6.i
Smp Info : ms5043009005
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT STC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	232925	50.9193	50.9
2	Chloromethane	50	1.039	1.039	(0.241)	170509	42.7340	42.7
3	Vinyl Chloride	62	1.087	1.087	(0.252)	180311	54.2703	54.3
4	Bromomethane	94	1.237	1.232	(0.287)	70699	102.829	103(R)
5	Chloroethane	64	1.285	1.280	(0.298)	67725	64.6917	64.7
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	273651	63.7077	63.7
7	1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	168229	49.7870	49.8
8	Diethyl ether	74	1.536	1.536	(0.356)	69777	92.7373	92.7(R)
18	2-methyl-2-propanol	59	2.013	2.018	(0.466)	26247	31.0435	31.0(M)
9	Acrolein	56	1.611	1.611	(0.373)	388361	1272.79	1270
10	1,1,2trichlorotrifluoroethane	101	1.665	1.660	(0.386)	145816	51.2188	51.2
11	1,1-Dichloroethene	96	1.670	1.665	(0.387)	138822	51.7535	51.8
12	Acetone	43	1.686	1.686	(0.391)	171343	249.055	249
143	Acetonitrile	41	1.873	1.868	(0.434)	252877	44.8411	44.8
13	Iodomethane	142	1.761	1.756	(0.408)	345085	105.935	106
14	Carbon Disulfide	76	1.809	1.804	(0.419)	756959	90.9266	90.9
16	Methyl Acetate	43	1.863	1.857	(0.431)	248791	90.3446	90.3
15	allyl chloride	41	1.873	1.868	(0.434)	252877	85.6562	85.6
17	Methylene Chloride	84	1.948	1.948	(0.451)	155638	46.4209	46.4
19	Acrylonitrile	53	2.098	2.098	(0.486)	1458093	958.145	958
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	980950	81.7301	81.7
21	1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	231603	49.9102	49.9

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	22 n-Hexane	57	2.317	2.318	(0.537)	319915	48.6179	48.6
	147 chloroprene	53	2.505	2.505	(0.580)	296798	44.3026	44.3
	23 1,1-Dichloroethane	63	2.451	2.446	(0.568)	388121	47.4322	47.4
	24 Vinyl Acetate	43	2.446	2.441	(0.566)	309470	57.4193	57.4
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	255540	51.8462	51.8
	27 2,2-Dichloropropane	77	2.954	2.949	(0.684)	148928	23.4069	23.4
	28 2-Butanone	43	2.943	2.943	(0.682)	513009	241.673	242
	144 Methacrylonitrile	41	3.152	3.152	(0.730)	103572	43.0002	43.0
	30 Bromochloromethane	49	3.189	3.184	(0.739)	173094	49.0157	49.0
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	72627	43.3448	43.3
	32 Chloroform	83	3.302	3.302	(0.765)	379564	44.0697	44.1
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58411	50.5105	50.5
	34 1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	247247	35.8860	35.9
	35 Cyclohexane	56	3.575	3.569	(0.828)	330389	43.2488	43.2
	145 isopropyl acetate	61	1.087	1.087	(0.252)	15253		(Q)
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	178195	30.1536	30.2
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	305397	47.3285	47.3
	39 Benzene	78	3.933	3.933	(0.911)	858578	47.9917	48.0
	141 2,2,4-Trimethylpentane	57	4.104	4.099	(0.950)	855803	49.3145	49.3
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	259803	46.5329	46.5
	38 Isobutyl alcohol	43	4.051	4.099	(0.938)	1188996	2199.33	2200(QR)
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	225571	50.0000	
	42 Trichloroethene	95	4.752	4.746	(1.100)	229869	45.4663	45.5
	43 Methylcyclohexane	55	5.008	5.003	(1.160)	269652	41.5873	41.6
	142 1,4-Dioxane	88	5.147	5.142	(1.192)	62013	745.222	745
	44 1,2-Dichloropropane	63	5.046	5.046	(1.168)	210540	45.3429	45.3
	45 Dibromomethane	93	5.137	5.131	(1.190)	141942	48.6248	48.6
	46 Methyl methacrylate	69	5.147	5.148	(1.192)	467071	156.154	156(R)
	47 Bromodichloromethane	83	5.345	5.340	(1.238)	243816	42.3586	42.4
	49 cis-1,3-Dichloropropene	75	5.811	5.806	(0.799)	252055	37.3026	37.3
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	810969	224.574	224
$	51 Toluene-d8	98	6.068	6.068	(0.834)	206122	51.2625	51.3
	52 Toluene	91	6.137	6.132	(0.844)	814395	48.0410	48.0
	53 trans-1,3-Dichloropropene	75	6.399	6.394	(0.880)	174643	29.5547	29.6
	54 Ethyl Methacrylate	69	6.474	6.474	(0.890)	749485	161.065	161(R)
	55 1,1,2-Trichloroethane	83	6.570	6.565	(0.904)	144672	46.4513	46.4
	56 Tetrachloroethene	166	6.619	6.613	(0.910)	209043	40.2578	40.2
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	285044	48.7961	48.8
	58 2-Hexanone	43	6.758	6.758	(0.929)	522399	205.024	205
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	156340	41.0910	41.1
	60 1,2-Dibromoethane	107	6.945	6.945	(0.955)	175871	48.3627	48.4
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	148159	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	501433	45.3307	45.3
	63 1,1,1,2-Tetrachloroethane	131	7.362	7.362	(1.013)	137189	38.0092	38.0
	64 Ethylbenzene	106	7.362	7.362	(1.013)	240399	43.3013	43.3
	65 m&p-Xylene	106	7.453	7.453	(1.025)	580194	84.9114	84.9
	67 o-Xylene	106	7.683	7.683	(1.057)	303740	43.0363	43.0
	68 Styrene	104	7.694	7.694	(1.058)	478376	42.0579	42.0
	69 Bromoform	173	7.801	7.801	(0.909)	88162	37.7952	37.8
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	731876	40.8021	40.8
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	66938	45.7740	45.8
	74 Bromobenzene	77	8.063	8.063	(1.109)	289242	41.8493	41.8
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	224445	49.1881	49.2
	75 1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	329926	66.7042	66.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	152294	148.955	149 (QR)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	770633	40.4259	40.4
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	519743	43.9731	44.0
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	610972	42.6267	42.6
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	176906	44.8330	44.8
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	542012	33.5925	33.6
81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	591132	40.2409	40.2
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	759743	40.6186	40.6
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	336318	41.6531	41.6
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	598593	38.7427	38.7
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	75993	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	337071	40.9780	41.0
87	n-Butylbenzene	91	8.753	8.753	(1.020)	501668	35.1561	35.2
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	347165	44.4471	44.4
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	36089	42.8782	42.9
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	275713	41.2963	41.3
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	115120	30.8879	30.9
92	Naphthalene	128	9.588	9.588	(1.117)	832817	44.7315	44.7
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	274507	44.0335	44.0
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	522988	51.0488	51.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a10.D
Lab Smp Id: ms5043009005
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: ms5043009005
Level: LOW
Sample Type: WATER
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	225571	-4.97
61 Chlorobenzene-d5	157497	78749	314994	148159	-5.93
85 1,4-Dichlorobenze	79662	39831	159324	75993	-4.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ms5043009005
Client Smp ID: ms5043009005
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: MS
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	50.9	101.84	30-163
2 Chloromethane	50.0	42.7	85.47	36-136
3 Vinyl Chloride	50.0	54.3	108.54	51-144
4 Bromomethane	50.0	103	205.66*	30-170
5 Chloroethane	50.0	64.7	129.38	54-157
6 Trichlorofluoromet	50.0	63.7	127.42	53-162
7 1,2-dichlorotriflu	50.0	49.8	99.57	50-150
8 Diethyl ether	50.0	92.7	185.47*	70-130
9 Acrolein	1000	1270	127.28	30-170
11 1,1-Dichloroethene	50.0	51.8	103.51	55-140
10 1,1,2trichlorotrif	50.0	51.2	102.44	50-150
12 Acetone	250	249	99.62	30-170
13 Iodomethane	100	106	105.94	28-168
14 Carbon Disulfide	100	90.9	90.93	46-162
16 Methyl Acetate	50.0	90.3	180.69	40-182
15 allyl chloride	100	85.6	85.66	39-155
17 Methylene Chloride	50.0	46.4	92.84	46-154
19 Acrylonitrile	1000	958	95.81	66-137
21 1,2-Dichloroethene	50.0	49.9	99.82	60-137
20 Methyl-tert-butyl	100	81.7	81.73	52-156
22 n-Hexane	50.0	48.6	97.24	32-176
23 1,1-Dichloroethane	50.0	47.4	94.86	68-139
24 Vinyl Acetate	200	57.4	28.71	24-132
26 1,2-Dichloroethene	50.0	51.8	103.69	65-132
27 2,2-Dichloropropan	50.0	23.4	46.81	35-157
28 2-Butanone	250	242	96.67	62-132
30 Bromochloromethane	50.0	49.0	98.03	65-157
31 Tetrahydrofuran	50.0	43.3	86.69	50-150
32 Chloroform	50.0	44.1	88.14	67-134
34 1,1,1-Trichloroeth	50.0	35.9	71.77	64-143
35 Cyclohexane	50.0	43.2	86.50	39-167
38 Isobutyl alcohol	50.0	2200	4398.65*	50-150
37 1,1-Dichloropropen	50.0	47.3	94.66	66-140
36 Carbon Tetrachlori	50.0	30.2	60.31	54-145
39 Benzene	50.0	48.0	95.98	63-141
40 1,2-Dichloroethane	50.0	46.5	93.07	63-148
42 Trichloroethene	50.0	45.5	90.93	61-137
43 Methylcyclohexane	50.0	41.6	83.17	44-158
44 1,2-Dichloropropan	50.0	45.3	90.69	70-136
45 Dibromomethane	50.0	48.6	97.25	67-144

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
46 Methyl methacrylat	50.0	156	312.31*	50-150
47 Bromodichlorometha	50.0	42.4	84.72	63-135
48 2-Chloroethyl vin	100	0.000	*	50-150
49 cis-1,3-Dichloropr	50.0	37.3	74.61	46-121
50 4-Methyl-2-Pentano	250	224	89.83	57-135
52 Toluene	50.0	48.0	96.08	59-142
53 trans-1,3-Dichloro	50.0	29.6	59.11	43-117
54 Ethyl Methacrylate	50.0	161	322.13*	52-140
55 1,1,2-Trichloroeth	50.0	46.4	92.90	71-143
56 Tetrachloroethene	50.0	40.2	80.52	25-146
57 1,3-Dichloropropan	50.0	48.8	97.59	65-133
58 2-Hexanone	250	205	82.01	61-141
59 Dibromochlorometha	50.0	41.1	82.18	64-124
60 1,2-Dibromoethane	50.0	48.4	96.73	67-134
62 Chlorobenzene	50.0	45.3	90.66	56-133
63 1,1,1,2-Tetrachlor	50.0	38.0	76.02	55-131
64 Ethylbenzene	50.0	43.3	86.60	44-151
65 m&p-Xylene	100	84.9	84.91	41-153
67 o-Xylene	50.0	43.0	86.07	52-139
68 Styrene	50.0	42.0	84.12	38-141
69 Bromoform	50.0	37.8	75.59	58-124
70 Isopropylbenzene	50.0	40.8	81.60	40-148
71 trans-1,4-Dichloro	50.0	149	297.91*	44-139
73 1,1,2,2-Tetrachlor	50.0	49.2	98.38	64-142
74 Bromobenzene	50.0	41.8	83.70	57-128
75 1,2,3-Trichloropro	50.0	66.7	133.41	33-140
76 n-Propylbenzene	50.0	40.4	80.85	40-148
77 2-Chlorotoluene	50.0	44.0	87.95	44-143
79 4-Chlorotoluene	50.0	44.8	89.67	43-140
78 1,3,5-Trimethylben	50.0	42.6	85.25	39-145
80 tert-Butylbenzene	50.0	33.6	67.19	32-133
81 1,2,4-Trimethylben	50.0	40.2	80.48	39-146
82 sec-Butylbenzene	50.0	40.6	81.24	38-150
83 1,3-Dichlorobenzen	50.0	41.6	83.31	40-143
84 p-Isopropyltoluene	50.0	38.7	77.49	34-146
86 1,4-Dichlorobenzen	50.0	41.0	81.96	38-142
87 n-Butylbenzene	50.0	35.2	70.31	27-153
88 1,2-Dichlorobenzen	50.0	44.4	88.89	48-137
90 1,2,4-Trichloroben	50.0	41.3	82.59	39-146
93 1,2,3-Trichloroben	50.0	44.0	88.07	33-140
89 1,2-Dibromo-3-chlo	50.0	42.9	85.76	39-140
91 Hexachlorobutadien	50.0	30.9	61.78	30-145
92 Naphthalene	50.0	44.7	89.46	44-138
94 2,methyl-naphthale	50.0	51.0	102.10	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.5	101.02	80-123
$ 51 Toluene-d8	50.0	51.3	102.52	80-116
$ 72 4-Bromofluorobenze	50.0	45.8	91.55	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: ms5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: ms5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	50.9	
74-87-3	Chloromethane	42.7	
75-01-4	Vinyl Chloride	54.3	
74-83-9	Bromomethane	103	
75-00-3	Chloroethane	64.7	
75-69-4	Trichlorofluoromethane	63.7	
354-23-4	1,2-dichlorotrifluoroethane	49.8	
60-29-7	Diethyl ether	92.7	
75-65-0	2-methyl-2-propanol	31.0	
107-02-8	Acrolein	1270	
76-13-1	1,1,2trichlorotrifluoroethan	51.2	
75-35-4	1,1-Dichloroethene	51.8	
67-64-1	Acetone	249	
75-05-8	Acetonitrile	44.8	
----------	Iodomethane	106	
75-15-0	Carbon Disulfide	90.9	
79-20-9	Methyl Acetate	90.3	
107-05-1	allyl chloride	85.6	
75-09-2	Methylene Chloride	46.4	
107-13-1	Acrylonitrile	958	
1634-04-4	Methyl-tert-butyl ether	81.7	
156-60-5	1,2-Dichloroethene (trans)	49.9	
----------	n-Hexane	48.6	
126-99-8	chloroprene	44.3	
75-34-3	1,1-Dichloroethane	47.4	
108-05-4	Vinyl Acetate	57.4	
156-59-2	1,2-Dichloroethene (cis)	51.8	
594-20-7	2,2-Dichloropropane	23.4	
78-93-3	2-Butanone	242	
126-98-7	Methacrylonitrile	43.0	
74-97-5	Bromochloromethane	49.0	
----------	Tetrahydrofuran	43.3	
67-66-3	Chloroform	44.1	
71-55-6	1,1,1-Trichloroethane	35.9	
110-82-7	Cyclohexane	43.2	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	30.2	
563-58-6	1,1-Dichloropropene	47.3	
71-43-2	Benzene	48.0	
540-84-1	2,2,4-Trimethylpentane	49.3	
107-06-2	1,2-Dichloroethane	46.5	
78-83-1	Isobutyl alcohol	2200	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: ms5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: ms5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	45.5	
108-87-2	Methylcyclohexane	41.6	
----------	1,4-Dioxane	745	
78-87-5	1,2-Dichloropropane	45.3	
74-95-3	Dibromomethane	48.6	
80-62-6	Methyl methacrylate	156	
75-27-4	Bromodichloromethane	42.4	
10061-01-5	cis-1,3-Dichloropropene	37.3	
108-10-1	4-Methyl-2-Pentanone	224	
108-88-3	Toluene	48.0	
10061-02-6	trans-1,3-Dichloropropene	29.6	
----------	Ethyl Methacrylate	161	
79-00-5	1,1,2-Trichloroethane	46.4	
127-18-4	Tetrachloroethene	40.2	
142-28-9	1,3-Dichloropropane	48.8	
591-78-6	2-Hexanone	205	
124-48-1	Dibromochloromethane	41.1	
106-93-4	1,2-Dibromoethane	48.4	
108-90-7	Chlorobenzene	45.3	
630-20-6	1,1,1,2-Tetrachloroethane	38.0	
100-41-4	Ethylbenzene	43.3	
7816-60-0	m&p-Xylene	84.9	
95-47-6	o-Xylene	43.0	
100-42-5	Styrene	42.0	
75-25-2	Bromoform	37.8	
98-82-8	Isopropylbenzene	40.8	
108-86-1	Bromobenzene	41.8	
79-34-5	1,1,2,2-Tetrachloroethane	49.2	
96-18-4	1,2,3-Trichloropropane	66.7	
----------	trans-1,4-Dichloro-2-butene	149	
103-65-1	n-Propylbenzene	40.4	
95-49-8	2-Chlorotoluene	44.0	
108-67-8	1,3,5-Trimethylbenzene	42.6	
106-43-4	4-Chlorotoluene	44.8	
98-06-6	tert-Butylbenzene	33.6	
95-63-6	1,2,4-Trimethylbenzene	40.2	
135-98-8	sec-Butylbenzene	40.6	
541-73-1	1,3-Dichlorobenzene	41.6	
99-87-6	p-Isopropyltoluene	38.7	
106-46-7	1,4-Dichlorobenzene	41.0	
104-51-8	n-Butylbenzene	35.2	
95-50-1	1,2-Dichlorobenzene	44.4	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: ms5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

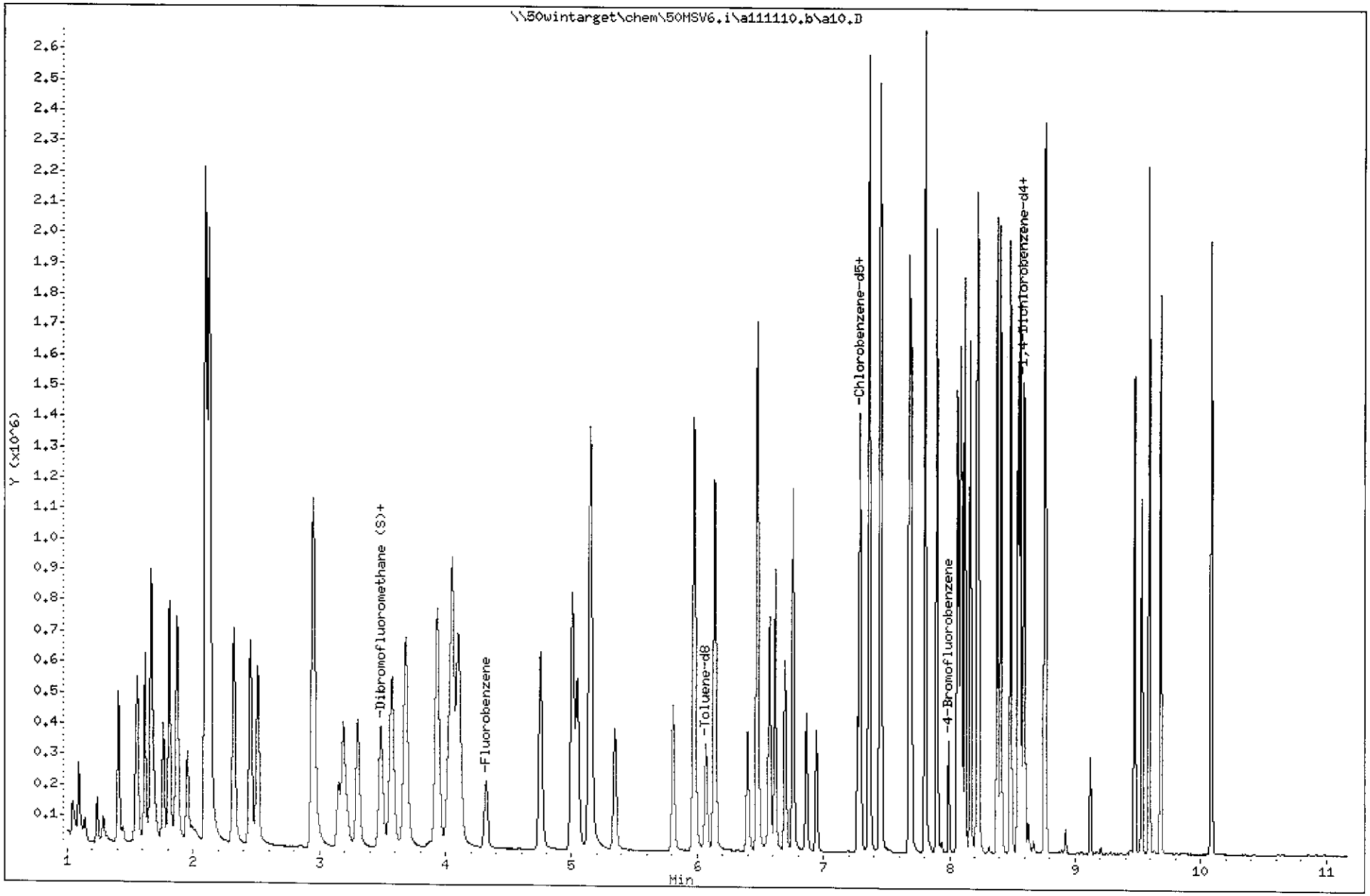
Client SDG: a111110.b
Client Smp ID: ms5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	42.9	
120-82-1	1,2,4-Trichlorobenzene	41.3	
87-68-3	Hexachlorobutadiene	30.9	
91-20-3	Naphthalene	44.7	
87-61-6	1,2,3-Trichlorobenzene	44.0	
----------	2,methyl-naphthalene	51.0	
1868-53-7	Dibromofluoromethane (S)	50.5	
2037-26-5	Toluene-d8	51.3	
460-00-4	4-Bromofluorobenzene	45.8	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a10.D
Date : 11-NOV-2010 18:39
Client ID: ms5043009005
Sample Info: ms5043009005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a10.D

Date : 11-NOV-2010 18:39

Client ID: ms5043009005

Instrument: 50MSV6.i

Sample Info: ms5043009005

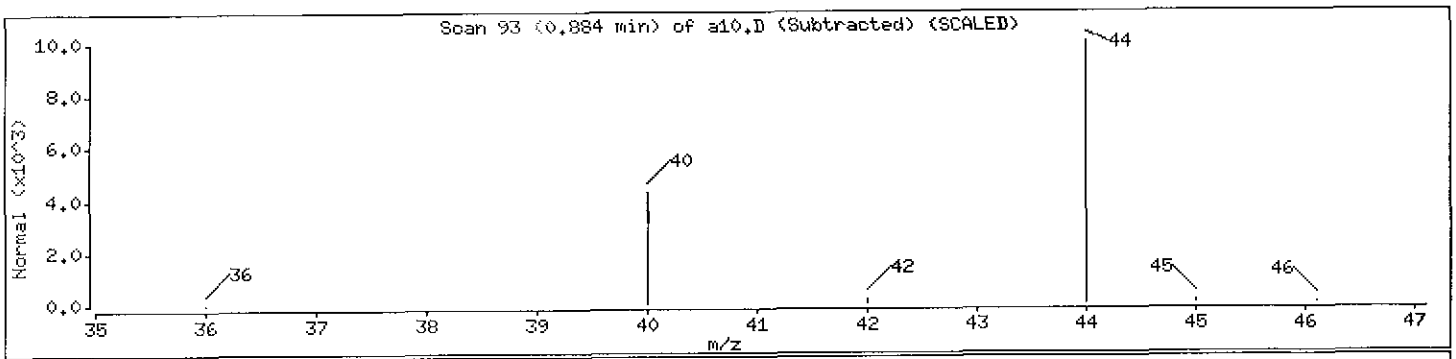
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a11.D
Lab Smp Id: msd5043009005 Client Smp ID: msd5043009005
Inj Date : 11-NOV-2010 19:17
Operator : jlf Inst ID: 50MSV6.i
Smp Info : msd5043009005
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
1 Dichlorodifluoromethane	85	0.953	0.953	(0.221)	237739	52.2660	52.3
2 Chloromethane	50	1.039	1.039	(0.241)	182319	45.9526	46.0
3 Vinyl Chloride	62	1.087	1.087	(0.252)	186050	56.2918	56.3
4 Bromomethane	94	1.237	1.232	(0.287)	73763	114.209	114(R)
5 Chloroethane	64	1.285	1.280	(0.298)	68603	65.9014	65.9
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	285214	66.7756	66.8
7 1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	172486	51.3359	51.3
8 Diethyl ether	74	1.536	1.536	(0.356)	70678	94.4941	94.5(R)
18 2-methyl-2-propanol	59	2.013	2.018	(0.466)	33588	42.2155	42.2(M)
9 Acrolein	56	1.611	1.611	(0.373)	408468	1347.28	1350
10 1,1,2trichlorotrifluoroethane	101	1.665	1.660	(0.386)	145877	51.5303	51.5
11 1,1-Dichloroethene	96	1.670	1.665	(0.387)	140263	52.5868	52.6
12 Acetone	43	1.686	1.686	(0.391)	180157	265.245	265
143 Acetonitrile	41	1.873	1.868	(0.434)	261276	46.5928	46.6
13 Iodomethane	142	1.761	1.756	(0.408)	360981	111.913	112
14 Carbon Disulfide	76	1.809	1.804	(0.419)	764313	92.3298	92.3
16 Methyl Acetate	43	1.863	1.857	(0.431)	261232	95.3995	95.4(R)
15 allyl chloride	41	1.873	1.868	(0.434)	261276	89.0023	89.0
17 Methylene Chloride	84	1.948	1.948	(0.451)	160668	48.6014	48.6
19 Acrylonitrile	53	2.098	2.098	(0.486)	1502787	993.106	993
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1032952	86.5501	86.6
21 1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	230690	49.9949	50.0

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)
	22	n-Hexane	57	2.318	2.318	(0.537)	317416	48.5112	48.5
	147	chloroprene	53	2.505	2.505	(0.580)	296831	44.5584	44.6
	23	1,1-Dichloroethane	63	2.451	2.446	(0.568)	390163	47.9517	48.0
	24	Vinyl Acetate	43	2.441	2.441	(0.565)	345584	64.4829	64.5
	26	1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	257123	52.4628	52.5
	27	2,2-Dichloropropane	77	2.954	2.949	(0.684)	173183	27.3731	27.4
	28	2-Butanone	43	2.938	2.943	(0.680)	531036	251.581	252
	144	Methacrylonitrile	41	3.152	3.152	(0.730)	106354	44.4052	44.4
	30	Bromochloromethane	49	3.190	3.184	(0.739)	174831	49.7879	49.8
	31	Tetrahydrofuran	42	3.575	3.569	(0.828)	72406	43.4575	43.4
	32	Chloroform	83	3.302	3.302	(0.765)	384388	44.8825	44.9
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58737	51.0800	51.1
	34	1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	264612	38.6239	38.6
	35	Cyclohexane	56	3.569	3.569	(0.827)	330153	43.4751	43.5
	145	isopropyl acetate	61	1.087	1.087	(0.252)	15405		(Q)
	36	Carbon Tetrachloride	117	3.676	3.676	(0.851)	193847	32.9879	33.0
	37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	303794	47.3467	47.3
	39	Benzene	78	3.933	3.933	(0.911)	860433	48.3677	48.4
	141	2,2,4-Trimethylpentane	57	4.104	4.099	(0.950)	854839	49.5379	49.5
	40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	263043	47.3800	47.4
	38	Isobutyl alcohol	43	4.051	4.099	(0.938)	1253914	2332.54	2330(QR)
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	224301	50.0000	
	42	Trichloroethene	95	4.752	4.746	(1.100)	226730	45.0994	45.1
	43	Methylcyclohexane	55	5.003	5.003	(1.159)	266442	41.3075	41.3
	142	1,4-Dioxane	88	5.153	5.142	(1.193)	65754	794.571	794
	44	1,2-Dichloropropane	63	5.046	5.046	(1.168)	212485	46.0209	46.0
	45	Dibromomethane	93	5.131	5.131	(1.188)	144379	49.7396	49.7
	46	Methyl methacrylate	69	5.148	5.148	(1.192)	489133	164.377	164(R)
	47	Bromodichloromethane	83	5.345	5.340	(1.238)	253636	44.3141	44.3
	49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	263071	39.0504	39.0
	50	4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	847948	235.524	236
$	51	Toluene-d8	98	6.062	6.068	(0.834)	203937	50.8722	50.9
	52	Toluene	91	6.132	6.132	(0.843)	803537	47.5024	47.5
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	188218	31.9481	31.9
	54	Ethyl Methacrylate	69	6.474	6.474	(0.890)	783240	168.827	169(R)
	55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	153294	49.3683	49.4
	56	Tetrachloroethene	166	6.613	6.613	(0.910)	201189	38.8622	38.9
	57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	290910	49.9506	50.0
	58	2-Hexanone	43	6.758	6.758	(0.929)	545518	214.744	215
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	165066	43.5154	43.5
	60	1,2-Dibromoethane	107	6.945	6.945	(0.955)	181165	49.9689	50.0
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	147713	50.0000	
	62	Chlorobenzene	112	7.293	7.293	(1.003)	496473	45.0178	45.0
	63	1,1,1,2-Tetrachloroethane	131	7.357	7.362	(1.012)	143908	39.9911	40.0
	64	Ethylbenzene	106	7.362	7.362	(1.013)	230886	41.7133	41.7
	65	m&p-Xylene	106	7.453	7.453	(1.025)	555838	81.5925	81.6
	67	o-Xylene	106	7.683	7.683	(1.057)	294067	41.7915	41.8
	68	Styrene	104	7.694	7.694	(1.058)	470698	41.5078	41.5
	69	Bromoform	173	7.801	7.801	(0.909)	93698	39.6347	39.6
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	710641	39.7379	39.7
$	72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	68778	47.1743	47.2
	74	Bromobenzene	77	8.063	8.063	(1.109)	286858	41.6296	41.6
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	232388	50.5101	50.5
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	350872	70.3557	70.4(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	158245	155.282	155	(QR)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	719952	37.4568	37.4	
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	489027	41.0342	41.0	
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	573840	39.7069	39.7	
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	170440	42.8392	42.8	
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	509013	31.2880	31.3	
81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	562296	37.9632	38.0	
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	707857	37.5335	37.5	
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	329937	40.5269	40.5	
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	550754	35.3533	35.4	
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	76623	50.0000		
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	329855	39.7710	39.8	
87	n-Butylbenzene	91	8.753	8.753	(1.020)	461861	32.1004	32.1	
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	342959	43.5476	43.5	
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	39447	46.4826	46.5	
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	270012	40.1099	40.1	
91	Hexachlorobutadiene	225	9.534	9.529	(1.111)	105724	28.1336	28.1	
92	Naphthalene	128	9.588	9.588	(1.117)	854649	45.7769	45.8	
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	276187	43.9387	43.9	
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	537948	52.2262	52.2	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a11.D
Lab Smp Id: msd5043009005
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: msd5043009005
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	224301	-5.50
61 Chlorobenzene-d5	157497	78749	314994	147713	-6.21
85 1,4-Dichlorobenze	79662	39831	159324	76623	-3.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: msd5043009005
Client Smp ID: msd5043009005
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: MSD
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SPIKE	COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	52.3	104.53	30-163
2	Chloromethane	50.0	46.0	91.91	36-136
3	Vinyl Chloride	50.0	56.3	112.58	51-144
4	Bromomethane	50.0	114	228.42*	30-170
5	Chloroethane	50.0	65.9	131.80	54-157
6	Trichlorofluoromet	50.0	66.8	133.55	53-162
7	1,2-dichlorotriflu	50.0	51.3	102.67	50-150
8	Diethyl ether	50.0	94.5	188.99*	70-130
9	Acrolein	1000	1350	134.73	30-170
11	1,1-Dichloroethene	50.0	52.6	105.17	55-140
10	1,1,2trichlorotrif	50.0	51.5	103.06	50-150
12	Acetone	250	265	106.10	30-170
13	Iodomethane	100	112	111.91	28-168
14	Carbon Disulfide	100	92.3	92.33	46-162
16	Methyl Acetate	50.0	95.4	190.80*	40-182
15	allyl chloride	100	89.0	89.00	39-155
17	Methylene Chloride	50.0	48.6	97.20	46-154
19	Acrylonitrile	1000	993	99.31	66-137
21	1,2-Dichloroethene	50.0	50.0	99.99	60-137
20	Methyl-tert-butyl	100	86.6	86.55	52-156
22	n-Hexane	50.0	48.5	97.02	32-176
23	1,1-Dichloroethane	50.0	48.0	95.90	68-139
24	Vinyl Acetate	200	64.5	32.24	24-132
26	1,2-Dichloroethene	50.0	52.5	104.93	65-132
27	2,2-Dichloropropan	50.0	27.4	54.75	35-157
28	2-Butanone	250	252	100.63	62-132
30	Bromochloromethane	50.0	49.8	99.58	65-157
31	Tetrahydrofuran	50.0	43.4	86.92	50-150
32	Chloroform	50.0	44.9	89.77	67-134
34	1,1,1-Trichloroeth	50.0	38.6	77.25	64-143
35	Cyclohexane	50.0	43.5	86.95	39-167
38	Isobutyl alcohol	50.0	2330	4665.08*	50-150
37	1,1-Dichloropropen	50.0	47.3	94.69	66-140
36	Carbon Tetrachlori	50.0	33.0	65.98	54-145
39	Benzene	50.0	48.4	96.74	63-141
40	1,2-Dichloroethane	50.0	47.4	94.76	63-148
42	Trichloroethene	50.0	45.1	90.20	61-137
43	Methylcyclohexane	50.0	41.3	82.61	44-158
44	1,2-Dichloropropan	50.0	46.0	92.04	70-136
45	Dibromomethane	50.0	49.7	99.48	67-144

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
46 Methyl methacrylat	50.0	164	328.75*	50-150
47 Bromodichlorometha	50.0	44.3	88.63	63-135
48 2-Chloroethyl vin	100	0.000	*	50-150
49 cis-1,3-Dichloropr	50.0	39.0	78.10	46-121
50 4-Methyl-2-Pentano	250	236	94.21	57-135
52 Toluene	50.0	47.5	95.00	59-142
53 trans-1,3-Dichloro	50.0	31.9	63.90	43-117
54 Ethyl Methacrylate	50.0	169	337.65*	52-140
55 1,1,2-Trichloroeth	50.0	49.4	98.74	71-143
56 Tetrachloroethene	50.0	38.9	77.72	25-146
57 1,3-Dichloropropan	50.0	50.0	99.90	65-133
58 2-Hexanone	250	215	85.90	61-141
59 Dibromochlorometha	50.0	43.5	87.03	64-124
60 1,2-Dibromoethane	50.0	50.0	99.94	67-134
62 Chlorobenzene	50.0	45.0	90.04	56-133
63 1,1,1,2-Tetrachlor	50.0	40.0	79.98	55-131
64 Ethylbenzene	50.0	41.7	83.43	44-151
65 m&p-Xylene	100	81.6	81.59	41-153
67 o-Xylene	50.0	41.8	83.58	52-139
68 Styrene	50.0	41.5	83.02	38-141
69 Bromoform	50.0	39.6	79.27	58-124
70 Isopropylbenzene	50.0	39.7	79.48	40-148
71 trans-1,4-Dichloro	50.0	155	310.56*	44-139
73 1,1,2,2-Tetrachlor	50.0	50.5	101.02	64-142
74 Bromobenzene	50.0	41.6	83.26	57-128
75 1,2,3-Trichloropro	50.0	70.4	140.71*	33-140
76 n-Propylbenzene	50.0	37.4	74.91	40-148
77 2-Chlorotoluene	50.0	41.0	82.07	44-143
79 4-Chlorotoluene	50.0	42.8	85.68	43-140
78 1,3,5-Trimethylben	50.0	39.7	79.41	39-145
80 tert-Butylbenzene	50.0	31.3	62.58	32-133
81 1,2,4-Trimethylben	50.0	38.0	75.93	39-146
82 sec-Butylbenzene	50.0	37.5	75.07	38-150
83 1,3-Dichlorobenzen	50.0	40.5	81.05	40-143
84 p-Isopropyltoluene	50.0	35.4	70.71	34-146
86 1,4-Dichlorobenzen	50.0	39.8	79.54	38-142
87 n-Butylbenzene	50.0	32.1	64.20	27-153
88 1,2-Dichlorobenzen	50.0	43.5	87.10	48-137
90 1,2,4-Trichloroben	50.0	40.1	80.22	39-146
93 1,2,3-Trichloroben	50.0	43.9	87.88	33-140
89 1,2-Dibromo-3-chlo	50.0	46.5	92.97	39-140
91 Hexachlorobutadien	50.0	28.1	56.27	30-145
92 Naphthalene	50.0	45.8	91.55	44-138
94 2,methyl-naphthale	50.0	52.2	104.45	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	51.1	102.16	80-123
$ 51 Toluene-d8	50.0	50.9	101.74	80-116
$ 72 4-Bromofluorobenze	50.0	47.2	94.35	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: msd5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: msd5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	52.3	
74-87-3	Chloromethane	46.0	
75-01-4	Vinyl Chloride	56.3	
74-83-9	Bromomethane	114	
75-00-3	Chloroethane	65.9	
75-69-4	Trichlorofluoromethane	66.8	
354-23-4	1,2-dichlorotrifluoroethane	51.3	
60-29-7	Diethyl ether	94.5	
75-65-0	2-methyl-2-propanol	42.2	
107-02-8	Acrolein	1350	
76-13-1	1,1,2trichlorotrifluoroethan	51.5	
75-35-4	1,1-Dichloroethene	52.6	
67-64-1	Acetone	265	
75-05-8	Acetonitrile	46.6	
----------	Iodomethane	112	
75-15-0	Carbon Disulfide	92.3	
79-20-9	Methyl Acetate	95.4	
107-05-1	allyl chloride	89.0	
75-09-2	Methylene Chloride	48.6	
107-13-1	Acrylonitrile	993	
1634-04-4	Methyl-tert-butyl ether	86.6	
156-60-5	1,2-Dichloroethene (trans)	50.0	
----------	n-Hexane	48.5	
126-99-8	chloroprene	44.6	
75-34-3	1,1-Dichloroethane	48.0	
108-05-4	Vinyl Acetate	64.5	
156-59-2	1,2-Dichloroethene (cis)	52.5	
594-20-7	2,2-Dichloropropane	27.4	
78-93-3	2-Butanone	252	
126-98-7	Methacrylonitrile	44.4	
74-97-5	Bromochloromethane	49.8	
----------	Tetrahydrofuran	43.4	
67-66-3	Chloroform	44.9	
71-55-6	1,1,1-Trichloroethane	38.6	
110-82-7	Cyclohexane	43.5	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	33.0	
563-58-6	1,1-Dichloropropene	47.3	
71-43-2	Benzene	48.4	
540-84-1	2,2,4-Trimethylpentane	49.5	
107-06-2	1,2-Dichloroethane	47.4	
78-83-1	Isobutyl alcohol	2330	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: msd5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: msd5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	45.1	
108-87-2	Methylcyclohexane	41.3	
----------	1,4-Dioxane	794	
78-87-5	1,2-Dichloropropane	46.0	
74-95-3	Dibromomethane	49.7	
80-62-6	Methyl methacrylate	164	
75-27-4	Bromodichloromethane	44.3	
10061-01-5	cis-1,3-Dichloropropene	39.0	
108-10-1	4-Methyl-2-Pentanone	236	
108-88-3	Toluene	47.5	
10061-02-6	trans-1,3-Dichloropropene	31.9	
----------	Ethyl Methacrylate	169	
79-00-5	1,1,2-Trichloroethane	49.4	
127-18-4	Tetrachloroethene	38.9	
142-28-9	1,3-Dichloropropane	50.0	
591-78-6	2-Hexanone	215	
124-48-1	Dibromochloromethane	43.5	
106-93-4	1,2-Dibromoethane	50.0	
108-90-7	Chlorobenzene	45.0	
630-20-6	1,1,1,2-Tetrachloroethane	40.0	
100-41-4	Ethylbenzene	41.7	
7816-60-0	m&p-Xylene	81.6	
95-47-6	o-Xylene	41.8	
100-42-5	Styrene	41.5	
75-25-2	Bromoform	39.6	
98-82-8	Isopropylbenzene	39.7	
108-86-1	Bromobenzene	41.6	
79-34-5	1,1,2,2-Tetrachloroethane	50.5	
96-18-4	1,2,3-Trichloropropane	70.4	
----------	trans-1,4-Dichloro-2-butene	155	
103-65-1	n-Propylbenzene	37.4	
95-49-8	2-Chlorotoluene	41.0	
108-67-8	1,3,5-Trimethylbenzene	39.7	
106-43-4	4-Chlorotoluene	42.8	
98-06-6	tert-Butylbenzene	31.3	
95-63-6	1,2,4-Trimethylbenzene	38.0	
135-98-8	sec-Butylbenzene	37.5	
541-73-1	1,3-Dichlorobenzene	40.5	
99-87-6	p-Isopropyltoluene	35.4	
106-46-7	1,4-Dichlorobenzene	39.8	
104-51-8	n-Butylbenzene	32.1	
95-50-1	1,2-Dichlorobenzene	43.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: msd5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

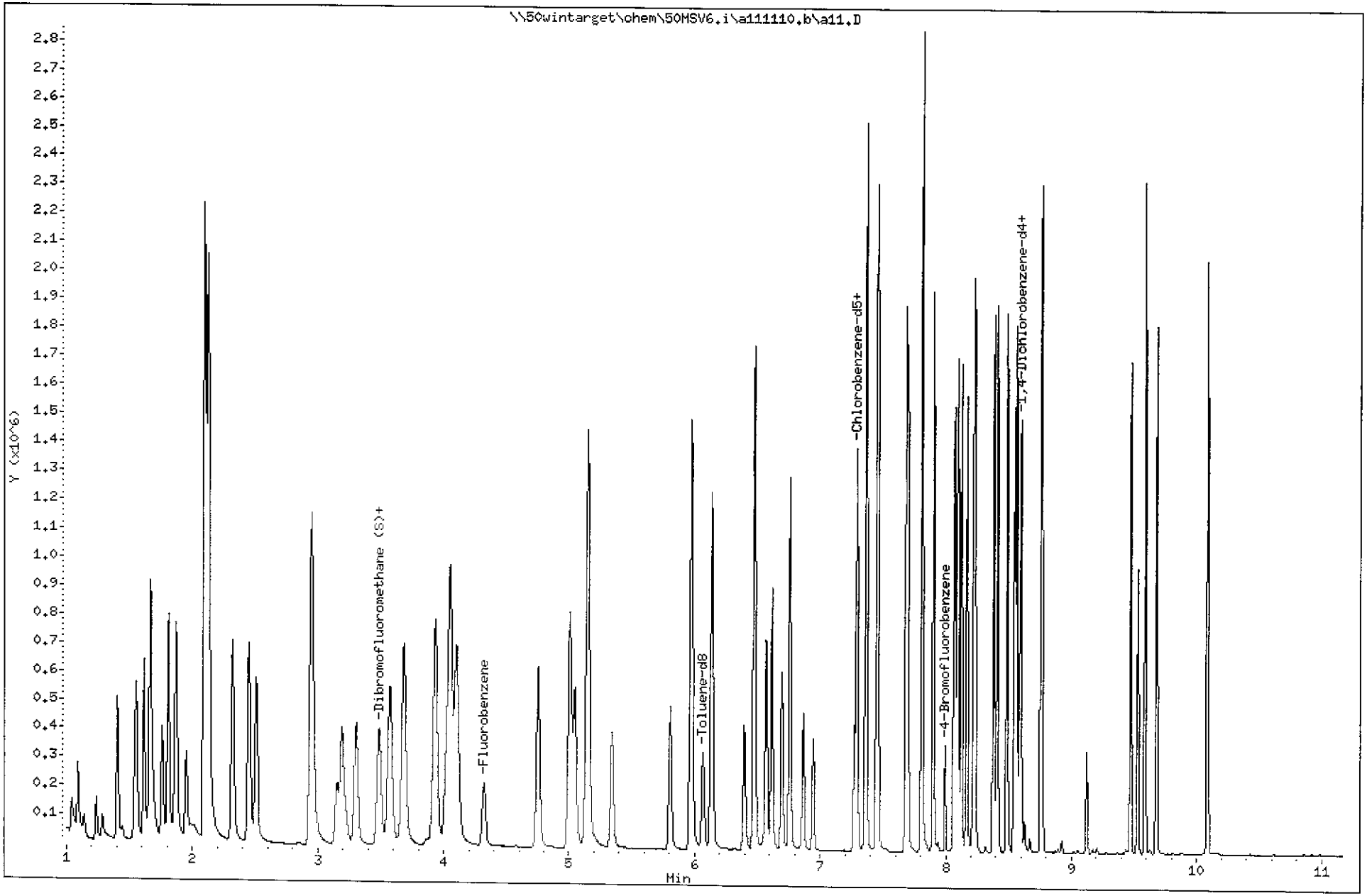
Client SDG: a111110.b
Client Smp ID: msd5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	46.5	
120-82-1	1,2,4-Trichlorobenzene	40.1	
87-68-3	Hexachlorobutadiene	28.1	
91-20-3	Naphthalene	45.8	
87-61-6	1,2,3-Trichlorobenzene	43.9	
----------	2,methyl-naphthalene	52.2	
1868-53-7	Dibromofluoromethane (S)	51.1	
2037-26-5	Toluene-d8	50.9	
460-00-4	4-Bromofluorobenzene	47.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a11.D
Date : 11-NOV-2010 19:17
Client ID: msd5043009005
Sample Info: msd5043009005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a11.D

Date : 11-NOV-2010 19:17

Client ID: msd5043009005

Instrument: 50MSV6.i

Sample Info: msd5043009005

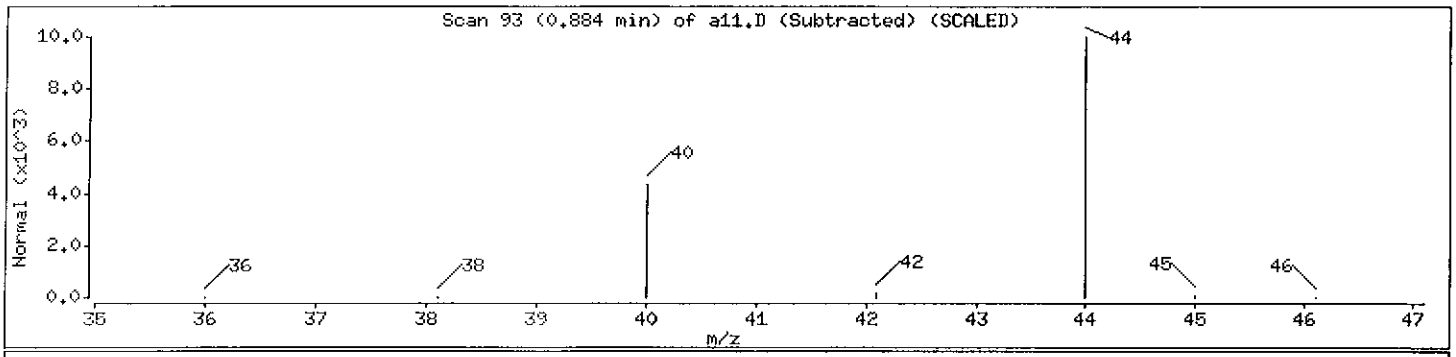
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c02lcs.D
Lab Smp Id: lcs Client Smp ID: lcs
Inj Date : 12-NOV-2010 02:08
Operator : jlf Inst ID: 50MSV6.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	271563	54.6284	54.6
2	Chloromethane	50	1.039	1.039	(0.241)	161599	37.2689	37.3
3	Vinyl Chloride	62	1.087	1.087	(0.252)	169092	46.9155	46.9
4	Bromomethane	94	1.237	1.232	(0.287)	64318	69.6560	69.6
5	Chloroethane	64	1.285	1.280	(0.298)	61026	53.6409	53.6
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	244934	52.4718	52.5
7	1,2-dichlorotrifluoroethane	67	1.547	1.547	(0.358)	143083	38.9659	39.0
8	Diethyl ether	74	1.537	1.536	(0.356)	63302	77.1752	77.2
18	2-methyl-2-propanol	59	2.018	2.018	(0.467)	33888	38.3667	38.4
9	Acrolein	56	1.611	1.611	(0.373)	197138	585.231	585
10	1,1,2trichlorotrifluoroethane	101	1.660	1.660	(0.384)	117378	37.9395	37.9
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	123790	42.4667	42.5
12	Acetone	43	1.686	1.686	(0.391)	133909	169.834	170
143	Acetonitrile	41	1.868	1.868	(0.433)	198851	32.4471	32.4
13	Iodomethane	142	1.756	1.756	(0.407)	312824	86.8678	86.9
14	Carbon Disulfide	76	1.804	1.804	(0.418)	669847	74.0416	74.0
16	Methyl Acetate	43	1.858	1.857	(0.430)	70073	23.4153	23.4
15	allyl chloride	41	1.868	1.868	(0.433)	198851	61.9810	62.0(R)
17	Methylene Chloride	84	1.948	1.948	(0.451)	150679	40.1861	40.2
19	Acrylonitrile	53	2.098	2.098	(0.486)	1379581	834.209	834
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	1000431	76.7015	76.7
21	1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	221193	43.8629	43.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
22	n-Hexane	57	2.312	2.318	(0.535)	286859	40.1154	40.1	
147	chloroprene	53	2.500	2.505	(0.579)	248410	34.1208	34.1	
23	1,1-Dichloroethane	63	2.446	2.446	(0.566)	363753	40.9066	40.9	
24	Vinyl Acetate	43	2.441	2.441	(0.565)	1107674	189.118	189	
26	1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	243813	45.5194	45.5	
27	2,2-Dichloropropane	77	2.949	2.949	(0.683)	162030	23.4339	23.4	(R)
28	2-Butanone	43	2.938	2.943	(0.680)	437232	189.538	190	
144	Methacrylonitrile	41	3.147	3.152	(0.729)	94828	36.2281	36.2	
30	Bromochloromethane	49	3.184	3.184	(0.737)	166216	43.3119	43.3	
31	Tetrahydrofuran	42	3.569	3.569	(0.827)	64540	35.4445	35.4	
32	Chloroform	83	3.302	3.302	(0.765)	367934	39.3103	39.3	
$ 33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	63188	50.2809	50.3	
34	1,1,1-Trichloroethane	97	3.484	3.484	(0.807)	260676	34.8158	34.8	
35	Cyclohexane	56	3.569	3.569	(0.827)	294011	34.9579	35.0	
145	isopropyl acetate	61	1.087	1.087	(0.252)	14370			(Q)
36	Carbon Tetrachloride	117	3.676	3.676	(0.851)	201313	31.3470	31.3	
37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	299646	42.7315	42.7	
39	Benzene	78	3.933	3.933	(0.911)	842909	43.3559	43.4	
141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	915933	48.5676	48.6	
40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	256825	42.3287	42.3	
38	Isobutyl alcohol	43	4.051	4.099	(0.938)	1482239	2522.95	2520	(Q)
* 41	Fluorobenzene	96	4.318	4.318	(1.000)	245133	50.0000		
42	Trichloroethene	95	4.746	4.746	(1.099)	225923	41.1199	41.1	
43	Methylcyclohexane	55	5.003	5.003	(1.159)	252470	35.4463	35.4	
142	1,4-Dioxane	88	5.148	5.142	(1.192)	59384	656.826	657	
44	1,2-Dichloropropane	63	5.046	5.046	(1.168)	208802	41.3800	41.4	
45	Dibromomethane	93	5.132	5.131	(1.188)	139659	44.0247	44.0	
46	Methyl methacrylate	69	5.148	5.148	(1.192)	487180	149.939	150	
47	Bromodichloromethane	83	5.340	5.340	(1.237)	250399	40.0307	40.0	
48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	67186	27.0111	27.0	
49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	267282	34.6867	34.7	
50	4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	780802	189.603	190	
$ 51	Toluene-d8	98	6.062	6.068	(0.834)	229092	49.9614	50.0	
52	Toluene	91	6.132	6.132	(0.843)	858828	44.1262	44.1	
53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	196866	29.2143	29.2	
54	Ethyl Methacrylate	69	6.474	6.474	(0.890)	791988	149.247	149	
55	1,1,2-Trichloroethane	83	6.571	6.565	(0.904)	152939	43.0607	43.1	
56	Tetrachloroethene	166	6.613	6.613	(0.910)	223972	37.8231	37.8	
57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	294902	44.2690	44.3	
58	2-Hexanone	43	6.758	6.758	(0.929)	522404	179.787	180	
59	Dibromochloromethane	129	6.865	6.865	(0.944)	170237	39.2355	39.2	
60	1,2-Dibromoethane	107	6.945	6.945	(0.955)	184325	44.4478	44.4	
* 61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	168958	50.0000		
62	Chlorobenzene	112	7.293	7.293	(1.003)	555317	44.0220	44.0	
63	1,1,1,2-Tetrachloroethane	131	7.357	7.362	(1.012)	152647	37.0858	37.1	
64	Ethylbenzene	106	7.362	7.362	(1.013)	272006	42.9631	43.0	
65	m&p-Xylene	106	7.453	7.453	(1.025)	664875	85.3261	85.3	
67	o-Xylene	106	7.683	7.683	(1.057)	336989	41.8695	41.9	
68	Styrene	104	7.694	7.694	(1.058)	551184	42.4937	42.5	
69	Bromoform	173	7.801	7.801	(0.909)	98516	38.4799	38.5	
70	Isopropylbenzene	105	7.897	7.897	(1.086)	845535	41.3358	41.3	
$ 72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	75723	45.4070	45.4	
74	Bromobenzene	77	8.063	8.063	(1.109)	324151	41.1266	41.1	
73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	222604	44.5358	44.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	326633	60.2868	60.3
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	135825	116.290	116(Q)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	946804	45.3417	45.3
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	603080	46.5800	46.6
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	724865	46.1682	46.2
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	203409	47.0599	47.0
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	652729	36.9311	36.9
81	1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	701765	43.6115	43.6
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	961588	46.9325	46.9
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	396223	44.7985	44.8
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	769386	45.4599	45.4
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	83243	50.0000	
86	1,4-Dichlorobenzene	146	8.593	8.598	(1.001)	393343	43.6543	43.6
87	n-Butylbenzene	91	8.753	8.753	(1.020)	668048	42.7384	42.7
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	390894	45.6870	45.7
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	37817	41.0181	41.0
90	1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	305857	41.8214	41.8
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	179031	43.8522	43.8
92	Naphthalene	128	9.588	9.588	(1.117)	884770	42.9589	43.0
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	312342	45.7389	45.7
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	549768	48.6909	48.7

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c02lcs.D
Lab Smp Id: lcs
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	245133	3.27
61 Chlorobenzene-d5	157497	78749	314994	168958	7.28
85 1,4-Dichlorobenze	79662	39831	159324	83243	4.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: lcs
Client Smp ID: lcs
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: LCS
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SPIKE	COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	54.6	109.26	30-170
2	Chloromethane	50.0	37.3	74.54	35-147
3	Vinyl Chloride	50.0	46.9	93.83	55-141
4	Bromomethane	50.0	69.6	139.31	30-170
5	Chloroethane	50.0	53.6	107.28	56-153
6	Trichlorofluoromet	50.0	52.5	104.94	62-150
8	Diethyl ether	100	77.2	77.18	70-130
9	Acrolein	1000	585	58.52	30-170
11	1,1-Dichloroethene	50.0	42.5	84.93	63-128
10	1,1,2trichlorotrif	50.0	37.9	75.88	74-153
12	Acetone	250	170	67.93	30-170
13	Iodomethane	100	86.9	86.87	41-170
14	Carbon Disulfide	100	74.0	74.04	58-152
15	allyl chloride	100	62.0	61.98*	70-130
17	Methylene Chloride	50.0	40.2	80.37	32-164
19	Acrylonitrile	1000	834	83.42	67-136
21	1,2-Dichloroethene	50.0	43.9	87.73	71-126
20	Methyl-tert-butyl	100	76.7	76.70	66-147
22	n-Hexane	50.0	40.1	80.23	69-157
23	1,1-Dichloroethane	50.0	40.9	81.81	67-133
24	Vinyl Acetate	200	189	94.56	41-145
27	2,2-Dichloropropan	50.0	23.4	46.87*	52-144
26	1,2-Dichloroethene	50.0	45.5	91.04	74-128
28	2-Butanone	250	190	75.82	47-189
7	1,2-dichlorotriflu	50.0	39.0	77.93	54-162
30	Bromochloromethane	50.0	43.3	86.62	54-162
32	Chloroform	50.0	39.3	78.62	74-131
34	1,1,1-Trichloroeth	50.0	34.8	69.63	69-136
36	Carbon Tetrachlori	50.0	31.3	62.69	62-143
37	1,1-Dichloropropen	50.0	42.7	85.46	75-134
39	Benzene	50.0	43.4	86.71	78-127
40	1,2-Dichloroethane	50.0	42.3	84.66	69-139
42	Trichloroethene	50.0	41.1	82.24	74-130
44	1,2-Dichloropropan	50.0	41.4	82.76	76-129
45	Dibromomethane	50.0	44.0	88.05	73-133
46	Methyl methacrylat	200	150	74.97	70-130
47	Bromodichlorometha	50.0	40.0	80.06	69-133
49	cis-1,3-Dichloropr	50.0	34.7	69.37	54-123
50	4-Methyl-2-Pentano	250	190	75.84	61-135
52	Toluene	50.0	44.1	88.25	75-129

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
53 trans-1,3-Dichloro	50.0	29.2	58.43	54-123
54 Ethyl Methacrylate	200	149	74.62	59-138
55 1,1,2-Trichloroeth	50.0	43.1	86.12	77-132
56 Tetrachloroethene	50.0	37.8	75.65	60-119
57 1,3-Dichloropropan	50.0	44.3	88.54	74-126
58 2-Hexanone	250	180	71.91	57-167
59 Dibromochlorometha	50.0	39.2	78.47	66-131
60 1,2-Dibromoethane	50.0	44.4	88.90	75-126
62 Chlorobenzene	50.0	44.0	88.04	75-123
63 1,1,1,2-Tetrachlor	50.0	37.1	74.17	69-130
64 Ethylbenzene	50.0	43.0	85.93	81-126
65 m&p-Xylene	100	85.3	85.33	71-131
67 o-Xylene	50.0	41.9	83.74	72-127
68 Styrene	50.0	42.5	84.99	74-128
69 Bromoform	50.0	38.5	76.96	60-127
70 Isopropylbenzene	50.0	41.3	82.67	80-130
71 trans-1,4-Dichloro	200	116	58.14	50-150
74 Bromobenzene	50.0	41.1	82.25	62-139
73 1,1,2,2-Tetrachlor	50.0	44.5	89.07	69-130
75 1,2,3-Trichloropro	100	60.3	60.29	60-131
76 n-Propylbenzene	50.0	45.3	90.68	71-132
77 2-Chlorotoluene	50.0	46.6	93.16	72-128
79 4-Chlorotoluene	50.0	47.0	94.12	73-124
78 1,3,5-Trimethylben	50.0	46.2	92.34	74-130
80 tert-Butylbenzene	50.0	36.9	73.86	63-117
81 1,2,4-Trimethylben	50.0	43.6	87.22	73-130
82 sec-Butylbenzene	50.0	46.9	93.86	73-130
83 1,3-Dichlorobenzen	50.0	44.8	89.60	76-125
84 p-Isopropyltoluene	50.0	45.4	90.92	66-131
86 1,4-Dichlorobenzen	50.0	43.6	87.31	75-122
88 1,2-Dichlorobenzen	50.0	45.7	91.37	76-124
87 n-Butylbenzene	50.0	42.7	85.48	68-135
89 1,2-Dibromo-3-chlo	50.0	41.0	82.04	61-125
90 1,2,4-Trichloroben	50.0	41.8	83.64	60-130
91 Hexachlorobutadien	50.0	43.8	87.70	70-130
92 Naphthalene	50.0	43.0	85.92	61-135
93 1,2,3-Trichloroben	50.0	45.7	91.48	58-131
16 Methyl Acetate	50.0	23.4	46.83	30-170
35 Cyclohexane	50.0	35.0	69.92	63-134
43 Methylcyclohexane	50.0	35.4	70.89	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.3	100.56	80-123
$ 51 Toluene-d8	50.0	50.0	99.92	80-116
$ 72 4-Bromofluorobenze	50.0	45.4	90.81	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: lcs
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	54.6	
74-87-3	Chloromethane	37.3	
75-01-4	Vinyl Chloride	46.9	
74-83-9	Bromomethane	69.6	
75-00-3	Chloroethane	53.6	
75-69-4	Trichlorofluoromethane	52.5	
354-23-4	1,2-dichlorotrifluoroethane	39.0	
60-29-7	Diethyl ether	77.2	
75-65-0	2-methyl-2-propanol	38.4	
107-02-8	Acrolein	585	
76-13-1	1,1,2trichlorotrifluoroethan	37.9	
75-35-4	1,1-Dichloroethene	42.5	
67-64-1	Acetone	170	
75-05-8	Acetonitrile	32.4	
----------	Iodomethane	86.9	
75-15-0	Carbon Disulfide	74.0	
79-20-9	Methyl Acetate	23.4	
107-05-1	allyl chloride	62.0	
75-09-2	Methylene Chloride	40.2	
107-13-1	Acrylonitrile	834	
1634-04-4	Methyl-tert-butyl ether	76.7	
156-60-5	1,2-Dichloroethene (trans)	43.9	
----------	n-Hexane	40.1	
126-99-8	chloroprene	34.1	
75-34-3	1,1-Dichloroethane	40.9	
108-05-4	Vinyl Acetate	189	
156-59-2	1,2-Dichloroethene (cis)	45.5	
594-20-7	2,2-Dichloropropane	23.4	
78-93-3	2-Butanone	190	
126-98-7	Methacrylonitrile	36.2	
74-97-5	Bromochloromethane	43.3	
----------	Tetrahydrofuran	35.4	
67-66-3	Chloroform	39.3	
71-55-6	1,1,1-Trichloroethane	34.8	
110-82-7	Cyclohexane	35.0	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	31.3	
563-58-6	1,1-Dichloropropene	42.7	
71-43-2	Benzene	43.4	
540-84-1	2,2,4-Trimethylpentane	48.6	
107-06-2	1,2-Dichloroethane	42.3	
78-83-1	Isobutyl alcohol	2520	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: lcs
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	41.1	
108-87-2	Methylcyclohexane	35.4	
----------	1,4-Dioxane	657	
78-87-5	1,2-Dichloropropane	41.4	
74-95-3	Dibromomethane	44.0	
80-62-6	Methyl methacrylate	150	
75-27-4	Bromodichloromethane	40.0	
110-75-8	2-Chloroethyl vinyl ether	27.0	
10061-01-5	cis-1,3-Dichloropropene	34.7	
108-10-1	4-Methyl-2-Pentanone	190	
108-88-3	Toluene	44.1	
10061-02-6	trans-1,3-Dichloropropene	29.2	
----------	Ethyl Methacrylate	149	
79-00-5	1,1,2-Trichloroethane	43.1	
127-18-4	Tetrachloroethene	37.8	
142-28-9	1,3-Dichloropropane	44.3	
591-78-6	2-Hexanone	180	
124-48-1	Dibromochloromethane	39.2	
106-93-4	1,2-Dibromoethane	44.4	
108-90-7	Chlorobenzene	44.0	
630-20-6	1,1,1,2-Tetrachloroethane	37.1	
100-41-4	Ethylbenzene	43.0	
7816-60-0	m&p-Xylene	85.3	
95-47-6	o-Xylene	41.9	
100-42-5	Styrene	42.5	
75-25-2	Bromoform	38.5	
98-82-8	Isopropylbenzene	41.3	
108-86-1	Bromobenzene	41.1	
79-34-5	1,1,2,2-Tetrachloroethane	44.5	
96-18-4	1,2,3-Trichloropropane	60.3	
----------	trans-1,4-Dichloro-2-butene	116	
103-65-1	n-Propylbenzene	45.3	
95-49-8	2-Chlorotoluene	46.6	
108-67-8	1,3,5-Trimethylbenzene	46.2	
106-43-4	4-Chlorotoluene	47.0	
98-06-6	tert-Butylbenzene	36.9	
95-63-6	1,2,4-Trimethylbenzene	43.6	
135-98-8	sec-Butylbenzene	46.9	
541-73-1	1,3-Dichlorobenzene	44.8	
99-87-6	p-Isopropyltoluene	45.4	
106-46-7	1,4-Dichlorobenzene	43.6	
104-51-8	n-Butylbenzene	42.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

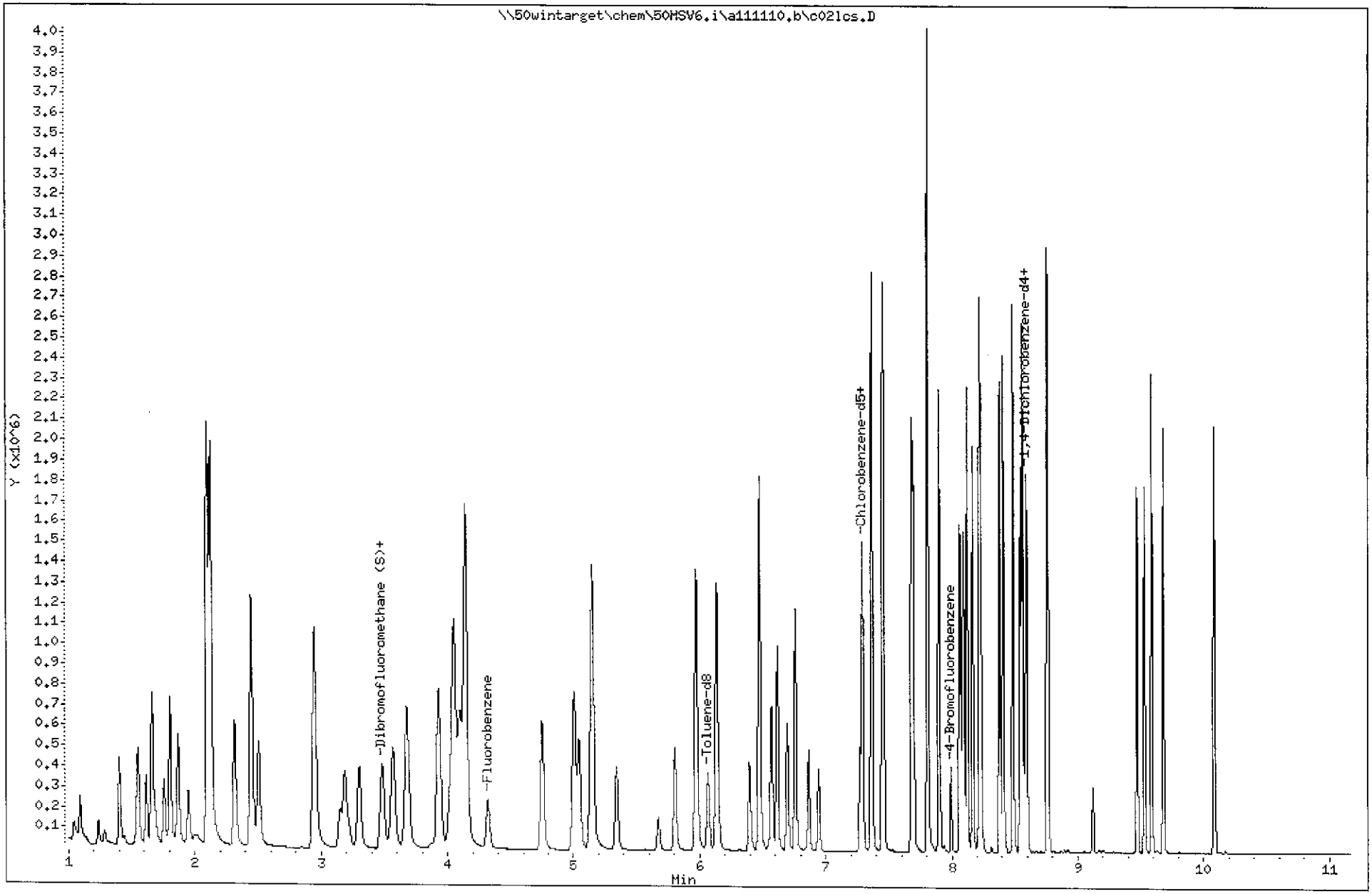
Client Name:
Lab Smp Id: lcs
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
95-50-1	1,2-Dichlorobenzene	45.7	
96-12-8	1,2-Dibromo-3-chloropropane	41.0	
120-82-1	1,2,4-Trichlorobenzene	41.8	
87-68-3	Hexachlorobutadiene	43.8	
91-20-3	Naphthalene	43.0	
87-61-6	1,2,3-Trichlorobenzene	45.7	
----------	2,methyl-naphthalene	48.7	
1868-53-7	Dibromofluoromethane (S)	50.3	
2037-26-5	Toluene-d8	50.0	
460-00-4	4-Bromofluorobenzene	45.4	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c02lcs.D
Date : 12-NOV-2010 02:08
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c02los.D

Date : 12-NOV-2010 02:08

Client ID: los

Instrument: 50MSV6.i

Sample Info: los

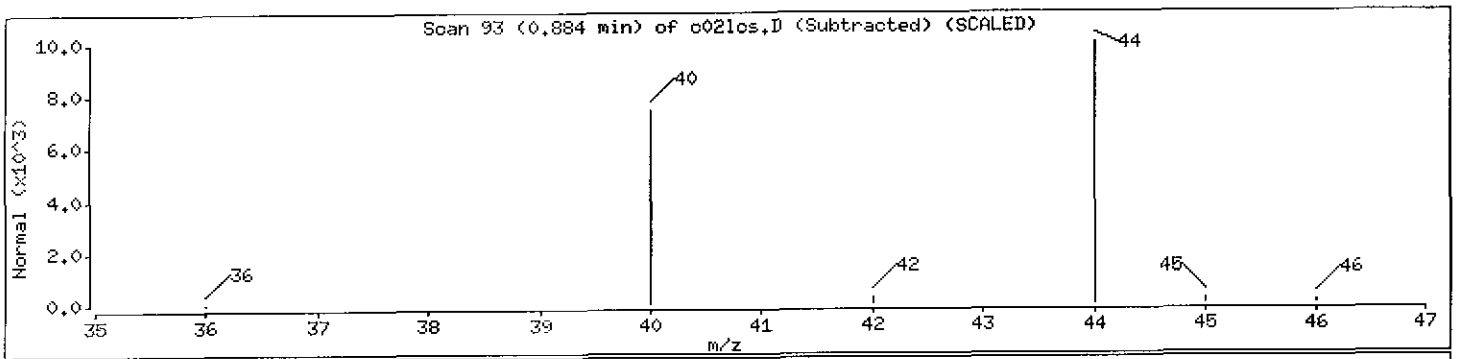
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c12.D
Lab Smp Id: ms5043009023 Client Smp ID: ms5043009023
Inj Date : 12-NOV-2010 08:23
Operator : jlf Inst ID: 50MSV6.i
Smp Info : ms5043009023
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	220428	49.5294	49.5
2	Chloromethane	50	1.039	1.039	(0.241)	156160	40.2277	40.2
3	Vinyl Chloride	62	1.087	1.087	(0.252)	180230	55.7400	55.7
4	Bromomethane	94	1.237	1.232	(0.287)	60481	77.5853	77.6
5	Chloroethane	64	1.285	1.280	(0.298)	59850	58.7616	58.8
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	251562	60.1963	60.2
7	1,2-dichlorotrifluoroethane	67	1.553	1.547	(0.360)	153127	46.5797	46.6
8	Diethyl ether	74	1.537	1.536	(0.356)	66059	90.2015	90.2(R)
18	2-methyl-2-propanol	59	2.013	2.018	(0.466)	28460	35.5021	35.5(M)
9	Acrolein	56	1.611	1.611	(0.373)	294657	988.745	989
10	1,1,2trichlorotrifluoroethane	101	1.660	1.660	(0.384)	132469	47.8264	47.8
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	122118	46.7941	46.8
12	Acetone	43	1.686	1.686	(0.391)	173457	260.488	260
143	Acetonitrile	41	1.868	1.868	(0.433)	213270	38.8711	38.9
13	Iodomethane	142	1.761	1.756	(0.408)	304091	95.0978	95.1
14	Carbon Disulfide	76	1.804	1.804	(0.418)	608227	75.0955	75.1
16	Methyl Acetate	43	1.863	1.857	(0.431)	164478	61.3911	61.4
15	allyl chloride	41	1.868	1.868	(0.433)	213270	74.2522	74.2
17	Methylene Chloride	84	1.948	1.948	(0.451)	142350	42.9982	43.0
19	Acrylonitrile	53	2.098	2.098	(0.486)	1458510	985.111	985
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	960946	82.2932	82.3
21	1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	195016	43.1961	43.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
22	n-Hexane	57	2.318	2.318	(0.537)	269940	42.1656	42.2
147	chloroprene	53	2.505	2.505	(0.580)	252034	38.6685	38.7
23	1,1-Dichloroethane	63	2.446	2.446	(0.566)	363166	45.6185	45.6
24	Vinyl Acetate	43	2.441	2.441	(0.565)	182854	34.8717	34.9(R)
26	1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	231368	48.2493	48.2
27	2,2-Dichloropropane	77	2.949	2.949	(0.683)	115182	18.6072	18.6
28	2-Butanone	43	2.938	2.943	(0.680)	500891	242.536	242
144	Methacrylonitrile	41	3.152	3.152	(0.730)	103300	44.0817	44.1
30	Bromochloromethane	49	3.184	3.184	(0.737)	159011	46.2818	46.3
31	Tetrahydrofuran	42	3.569	3.569	(0.827)	61014	37.4281	37.4
32	Chloroform	83	3.302	3.302	(0.765)	339119	40.4704	40.5
$ 33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57120	50.7697	50.8
34	1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	211250	31.5153	31.5(R)
35	Cyclohexane	56	3.569	3.569	(0.827)	275714	36.7374	36.7
145	isopropyl acetate	61	1.087	1.087	(0.252)	15087		(Q)
36	Carbon Tetrachloride	117	3.676	3.676	(0.851)	148805	25.8816	25.9(R)
37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	243379	38.7678	38.8
39	Benzene	78	3.933	3.933	(0.911)	726583	41.7447	41.7
141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	734327	43.4931	43.5
40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	241432	44.4468	44.4
38	Isobutyl alcohol	43	4.051	4.099	(0.938)	949931	1806.06	1810(QR)
* 41	Fluorobenzene	96	4.318	4.318	(1.000)	219459	50.0000	
42	Trichloroethene	95	4.746	4.746	(1.099)	170456	34.6539	34.6
43	Methylcyclohexane	55	5.003	5.003	(1.159)	209896	32.7186	32.7
142	1,4-Dioxane	88	5.148	5.142	(1.192)	64158	792.394	792
44	1,2-Dichloropropane	63	5.046	5.046	(1.168)	187178	41.4342	41.4
45	Dibromomethane	93	5.132	5.131	(1.188)	131537	46.3153	46.3
46	Methyl methacrylate	69	5.148	5.148	(1.192)	461807	158.670	159(R)
47	Bromodichloromethane	83	5.346	5.340	(1.238)	213708	38.1619	38.2
49	cis-1,3-Dichloropropene	75	5.806	5.806	(0.798)	196449	29.5925	29.6
50	4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	821973	231.687	232
$ 51	Toluene-d8	98	6.068	6.068	(0.834)	200406	50.7312	50.7
52	Toluene	91	6.132	6.132	(0.843)	584819	34.0442	34.0
53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	131655	22.6778	22.7
54	Ethyl Methacrylate	69	6.474	6.474	(0.890)	687174	150.312	150(R)
55	1,1,2-Trichloroethane	83	6.571	6.565	(0.904)	137315	44.8767	44.9
56	Tetrachloroethene	166	6.619	6.613	(0.910)	126825	24.8604	24.9
57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	257038	44.7877	44.8
58	2-Hexanone	43	6.758	6.758	(0.929)	531707	212.405	212
59	Dibromochloromethane	129	6.865	6.865	(0.944)	135786	36.3262	36.3
60	1,2-Dibromoethane	107	6.945	6.945	(0.955)	157121	43.9784	44.0
* 61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	145559	50.0000	
62	Chlorobenzene	112	7.293	7.293	(1.003)	322479	29.6736	29.7
63	1,1,1,2-Tetrachloroethane	131	7.362	7.362	(1.013)	103225	29.1101	29.1
64	Ethylbenzene	106	7.362	7.362	(1.013)	133055	24.3943	24.4
65	m&p-Xylene	106	7.448	7.453	(1.024)	302942	45.1275	45.1
67	o-Xylene	106	7.683	7.683	(1.057)	174360	25.1460	25.1(R)
68	Styrene	104	7.694	7.694	(1.058)	266544	23.8526	23.8
69	Bromoform	173	7.801	7.801	(0.909)	76122	33.6403	33.6
70	Isopropylbenzene	105	7.897	7.897	(1.086)	348133	19.7551	19.8(R)
$ 72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	65117	45.3241	45.3
74	Bromobenzene	77	8.063	8.063	(1.109)	172373	25.3854	25.4(R)
73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	206958	46.1161	46.1
75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	265366	54.5509	54.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	114350	113.621	114(QR)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	287506	15.3349	15.3(R)
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	243420	20.9399	20.9(R)
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	240941	17.0919	17.1(R)
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	82656	21.2985	21.3(R)
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	218836	13.7903	13.8(R)
81	1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	225958	15.6398	15.6(R)
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	253451	13.7776	13.8(R)
83	1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	150161	18.9093	18.9(R)
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	171930	11.3144	11.3(R)
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	74740	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	144977	17.9205	17.9(R)
87	n-Butylbenzene	91	8.753	8.753	(1.020)	111926	7.97509	7.98(R)
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	180000	23.4315	23.4(R)
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	33180	40.0829	40.1
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	105754	16.1054	16.1(R)
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	17738	4.83908	4.84(R)
92	Naphthalene	128	9.588	9.588	(1.117)	585412	27.9555	28.0
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	128124	20.8968	20.9
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	321271	29.1110	29.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c12.D
Lab Smp Id: ms5043009023
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: ms5043009023
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	219459	-7.54
61 Chlorobenzene-d5	157497	78749	314994	145559	-7.58
85 1,4-Dichlorobenze	79662	39831	159324	74740	-6.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ms5043009023
Client Smp ID: ms5043009023
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: MS
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

	SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	49.5	99.06	30-163
2	Chloromethane	50.0	40.2	80.46	36-136
3	Vinyl Chloride	50.0	55.7	111.48	51-144
4	Bromomethane	50.0	77.6	155.17	30-170
5	Chloroethane	50.0	58.8	117.52	54-157
6	Trichlorofluoromet	50.0	60.2	120.39	53-162
7	1,2-dichlorotriflu	50.0	46.6	93.16	50-150
8	Diethyl ether	50.0	90.2	180.40*	70-130
9	Acrolein	1000	989	98.87	30-170
11	1,1-Dichloroethene	50.0	46.8	93.59	55-140
10	1,1,2trichlorotrif	50.0	47.8	95.65	50-150
12	Acetone	250	260	104.20	30-170
13	Iodomethane	100	95.1	95.10	28-168
14	Carbon Disulfide	100	75.1	75.10	46-162
16	Methyl Acetate	50.0	61.4	122.78	40-182
15	allyl chloride	100	74.2	74.25	39-155
17	Methylene Chloride	50.0	43.0	86.00	46-154
19	Acrylonitrile	1000	985	98.51	66-137
21	1,2-Dichloroethene	50.0	43.2	86.39	60-137
20	Methyl-tert-butyl	100	82.3	82.29	52-156
22	n-Hexane	50.0	42.2	84.33	32-176
23	1,1-Dichloroethane	50.0	45.6	91.24	68-139
24	Vinyl Acetate	200	34.9	17.44*	24-132
26	1,2-Dichloroethene	50.0	48.2	96.50	65-132
27	2,2-Dichloropropan	50.0	18.6	37.21	35-157
28	2-Butanone	250	242	97.01	62-132
30	Bromochloromethane	50.0	46.3	92.56	65-157
31	Tetrahydrofuran	50.0	37.4	74.86	50-150
32	Chloroform	50.0	40.5	80.94	67-134
34	1,1,1-Trichloroeth	50.0	31.5	63.03*	64-143
35	Cyclohexane	50.0	36.7	73.47	39-167
38	Isobutyl alcohol	50.0	1810	3612.11*	50-150
37	1,1-Dichloropropen	50.0	38.8	77.54	66-140
36	Carbon Tetrachlori	50.0	25.9	51.76*	54-145
39	Benzene	50.0	41.7	83.49	63-141
40	1,2-Dichloroethane	50.0	44.4	88.89	63-148
42	Trichloroethene	50.0	34.6	69.31	61-137
43	Methylcyclohexane	50.0	32.7	65.44	44-158
44	1,2-Dichloropropan	50.0	41.4	82.87	70-136
45	Dibromomethane	50.0	46.3	92.63	67-144

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
46 Methyl methacrylat	50.0	159	317.34*	50-150
47 Bromodichlorometha	50.0	38.2	76.32	63-135
48 2-Chloroethyl vin	100	0.000	*	50-150
49 cis-1,3-Dichloropr	50.0	29.6	59.19	46-121
50 4-Methyl-2-Pentano	250	232	92.67	57-135
52 Toluene	50.0	34.0	68.09	59-142
53 trans-1,3-Dichloro	50.0	22.7	45.36	43-117
54 Ethyl Methacrylate	50.0	150	300.62*	52-140
55 1,1,2-Trichloroeth	50.0	44.9	89.75	71-143
56 Tetrachloroethene	50.0	24.9	49.72	25-146
57 1,3-Dichloropropan	50.0	44.8	89.58	65-133
58 2-Hexanone	250	212	84.96	61-141
59 Dibromochlorometha	50.0	36.3	72.65	64-124
60 1,2-Dibromoethane	50.0	44.0	87.96	67-134
62 Chlorobenzene	50.0	29.7	59.35	56-133
63 1,1,1,2-Tetrachlor	50.0	29.1	58.22	55-131
64 Ethylbenzene	50.0	24.4	48.79	44-151
65 m&p-Xylene	100	45.1	45.13	41-153
67 o-Xylene	50.0	25.1	50.29*	52-139
68 Styrene	50.0	23.8	47.71	38-141
69 Bromoform	50.0	33.6	67.28	58-124
70 Isopropylbenzene	50.0	19.8	39.51*	40-148
71 trans-1,4-Dichloro	50.0	114	227.24*	44-139
73 1,1,2,2-Tetrachlor	50.0	46.1	92.23	64-142
74 Bromobenzene	50.0	25.4	50.77*	57-128
75 1,2,3-Trichloropro	50.0	54.6	109.10	33-140
76 n-Propylbenzene	50.0	15.3	30.67*	40-148
77 2-Chlorotoluene	50.0	20.9	41.88*	44-143
79 4-Chlorotoluene	50.0	21.3	42.60*	43-140
78 1,3,5-Trimethylben	50.0	17.1	34.18*	39-145
80 tert-Butylbenzene	50.0	13.8	27.58*	32-133
81 1,2,4-Trimethylben	50.0	15.6	31.28*	39-146
82 sec-Butylbenzene	50.0	13.8	27.56*	38-150
83 1,3-Dichlorobenzen	50.0	18.9	37.82*	40-143
84 p-Isopropyltoluene	50.0	11.3	22.63*	34-146
86 1,4-Dichlorobenzen	50.0	17.9	35.84*	38-142
87 n-Butylbenzene	50.0	7.98	15.95*	27-153
88 1,2-Dichlorobenzen	50.0	23.4	46.86*	48-137
90 1,2,4-Trichloroben	50.0	16.1	32.21*	39-146
93 1,2,3-Trichloroben	50.0	20.9	41.79	33-140
89 1,2-Dibromo-3-chlo	50.0	40.1	80.17	39-140
91 Hexachlorobutadien	50.0	4.84	9.68*	30-145
92 Naphthalene	50.0	28.0	55.91	44-138
94 2,methyl-naphthale	50.0	29.1	58.22	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.8	101.54	80-123
$ 51 Toluene-d8	50.0	50.7	101.46	80-116
$ 72 4-Bromofluorobenze	50.0	45.3	90.65	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: ms5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: ms5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	49.5	
74-87-3	Chloromethane	40.2	
75-01-4	Vinyl Chloride	55.7	
74-83-9	Bromomethane	77.6	
75-00-3	Chloroethane	58.8	
75-69-4	Trichlorofluoromethane	60.2	
354-23-4	1,2-dichlorotrifluoroethane	46.6	
60-29-7	Diethyl ether	90.2	
75-65-0	2-methyl-2-propanol	35.5	
107-02-8	Acrolein	989	
76-13-1	1,1,2trichlorotrifluoroethan	47.8	
75-35-4	1,1-Dichloroethene	46.8	
67-64-1	Acetone	260	
75-05-8	Acetonitrile	38.9	
	Iodomethane	95.1	
75-15-0	Carbon Disulfide	75.1	
79-20-9	Methyl Acetate	61.4	
107-05-1	allyl chloride	74.2	
75-09-2	Methylene Chloride	43.0	
107-13-1	Acrylonitrile	985	
1634-04-4	Methyl-tert-butyl ether	82.3	
156-60-5	1,2-Dichloroethene (trans)	43.2	
	n-Hexane	42.2	
126-99-8	chloroprene	38.7	
75-34-3	1,1-Dichloroethane	45.6	
108-05-4	Vinyl Acetate	34.9	
156-59-2	1,2-Dichloroethene (cis)	48.2	
594-20-7	2,2-Dichloropropane	18.6	
78-93-3	2-Butanone	242	
126-98-7	Methacrylonitrile	44.1	
74-97-5	Bromochloromethane	46.3	
	Tetrahydrofuran	37.4	
67-66-3	Chloroform	40.5	
71-55-6	1,1,1-Trichloroethane	31.5	
110-82-7	Cyclohexane	36.7	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	25.9	
563-58-6	1,1-Dichloropropene	38.8	
71-43-2	Benzene	41.7	
540-84-1	2,2,4-Trimethylpentane	43.5	
107-06-2	1,2-Dichloroethane	44.4	
78-83-1	Isobutyl alcohol	1810	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: ms5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: ms5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	34.6	
108-87-2	Methylcyclohexane	32.7	
----------	1,4-Dioxane	792	
78-87-5	1,2-Dichloropropane	41.4	
74-95-3	Dibromomethane	46.3	
80-62-6	Methyl methacrylate	159	
75-27-4	Bromodichloromethane	38.2	
10061-01-5	cis-1,3-Dichloropropene	29.6	
108-10-1	4-Methyl-2-Pentanone	232	
108-88-3	Toluene	34.0	
10061-02-6	trans-1,3-Dichloropropene	22.7	
----------	Ethyl Methacrylate	150	
79-00-5	1,1,2-Trichloroethane	44.9	
127-18-4	Tetrachloroethene	24.9	
142-28-9	1,3-Dichloropropane	44.8	
591-78-6	2-Hexanone	212	
124-48-1	Dibromochloromethane	36.3	
106-93-4	1,2-Dibromoethane	44.0	
108-90-7	Chlorobenzene	29.7	
630-20-6	1,1,1,2-Tetrachloroethane	29.1	
100-41-4	Ethylbenzene	24.4	
7816-60-0	m&p-Xylene	45.1	
95-47-6	o-Xylene	25.1	
100-42-5	Styrene	23.8	
75-25-2	Bromoform	33.6	
98-82-8	Isopropylbenzene	19.8	
108-86-1	Bromobenzene	25.4	
79-34-5	1,1,2,2-Tetrachloroethane	46.1	
96-18-4	1,2,3-Trichloropropane	54.6	
----------	trans-1,4-Dichloro-2-butene	114	
103-65-1	n-Propylbenzene	15.3	
95-49-8	2-Chlorotoluene	20.9	
108-67-8	1,3,5-Trimethylbenzene	17.1	
106-43-4	4-Chlorotoluene	21.3	
98-06-6	tert-Butylbenzene	13.8	
95-63-6	1,2,4-Trimethylbenzene	15.6	
135-98-8	sec-Butylbenzene	13.8	
541-73-1	1,3-Dichlorobenzene	18.9	
99-87-6	p-Isopropyltoluene	11.3	
106-46-7	1,4-Dichlorobenzene	17.9	
104-51-8	n-Butylbenzene	7.98	
95-50-1	1,2-Dichlorobenzene	23.4	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

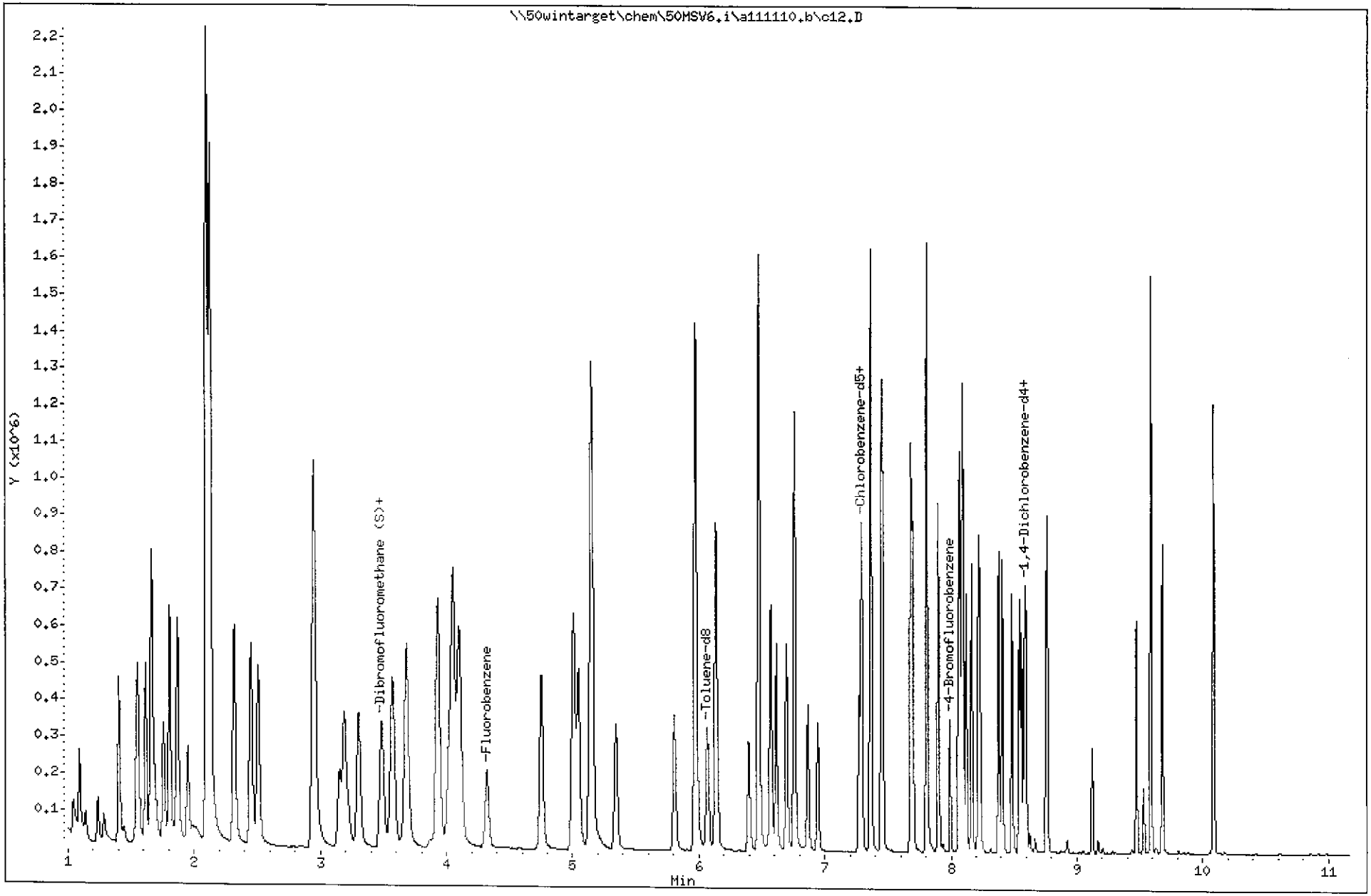
Client Name:
Lab Smp Id: ms5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: ms5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	40.1	
120-82-1	1,2,4-Trichlorobenzene	16.1	
87-68-3	Hexachlorobutadiene	4.84	
91-20-3	Naphthalene	28.0	
87-61-6	1,2,3-Trichlorobenzene	20.9	
----------	2,methyl-naphthalene	29.1	
1868-53-7	Dibromofluoromethane (S)	50.8	
2037-26-5	Toluene-d8	50.7	
460-00-4	4-Bromofluorobenzene	45.3	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c12.D
Date : 12-NOV-2010 08:23
Client ID: ms5043009023
Sample Info: ms5043009023
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c12.D

Date : 12-NOV-2010 08:23

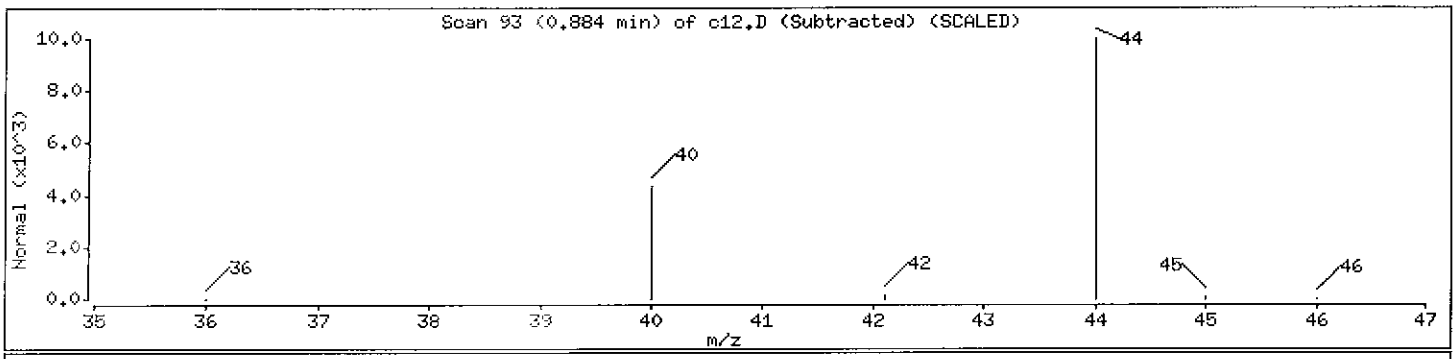
Client ID: ms5043009023 Instrument: 50MSV6.i

Sample Info: ms5043009023

Purge Volume: 5.0 Operator: jlf

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c13.D
Lab Smp Id: msd5043009023 Client Smp ID: msd5043009023
Inj Date : 12-NOV-2010 09:01
Operator : jlf Inst ID: 50MSV6.i
Smp Info : msd5043009023
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.953	0.953	(0.221)	224326	49.7271	49.7
2	Chloromethane	50	1.039	1.039	(0.241)	162209	41.2238	41.2
3	Vinyl Chloride	62	1.087	1.087	(0.252)	178382	54.4406	54.4
4	Bromomethane	94	1.237	1.232	(0.286)	61176	77.2253	77.2
5	Chloroethane	64	1.285	1.280	(0.298)	59724	57.8489	57.8
6	Trichlorofluoromethane	101	1.403	1.403	(0.325)	255631	60.3470	60.3
7	1,2-dichlorotrifluoroethane	67	1.552	1.547	(0.360)	155075	46.5376	46.5
8	Diethyl ether	74	1.536	1.536	(0.356)	65723	88.5081	88.5(R)
18	2-methyl-2-propanol	59	2.018	2.018	(0.467)	33024	41.7836	41.8
9	Acrolein	56	1.611	1.611	(0.373)	291434	964.349	964
10	1,1,2trichlorotrifluoroethane	101	1.659	1.660	(0.384)	132354	47.1420	47.1
11	1,1-Dichloroethene	96	1.665	1.665	(0.386)	119815	45.2939	45.3
12	Acetone	43	1.686	1.686	(0.391)	169293	249.588	250
143	Acetonitrile	41	1.868	1.868	(0.433)	202004	36.3223	36.3
13	Iodomethane	142	1.761	1.756	(0.408)	301863	92.9438	92.9
14	Carbon Disulfide	76	1.804	1.804	(0.418)	599161	72.9809	73.0
16	Methyl Acetate	43	1.863	1.857	(0.431)	163073	60.0477	60.0
15	allyl chloride	41	1.868	1.868	(0.433)	202004	69.3835	69.4
17	Methylene Chloride	84	1.948	1.948	(0.451)	144157	42.9481	42.9
19	Acrylonitrile	53	2.098	2.098	(0.486)	1469507	979.185	979
20	Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	984805	83.2018	83.2
21	1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	195445	42.7087	42.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	22 n-Hexane	57	2.317	2.318	(0.537)	269037	41.4591	41.4
	147 chloroprene	53	2.505	2.505	(0.580)	249554	37.7728	37.8
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	367333	45.5211	45.5
	24 Vinyl Acetate	43	2.440	2.441	(0.565)	194495	36.5927	36.6(R)
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	230979	47.5201	47.5
	27 2,2-Dichloropropane	77	2.949	2.949	(0.683)	130604	20.8147	20.8
	28 2-Butanone	43	2.938	2.943	(0.680)	501847	239.729	240
	144 Methacrylonitrile	41	3.152	3.152	(0.730)	102769	43.2650	43.3
	30 Bromochloromethane	49	3.189	3.184	(0.739)	159531	45.8084	45.8
	31 Tetrahydrofuran	42	3.569	3.569	(0.827)	60341	36.5172	36.5
	32 Chloroform	83	3.302	3.302	(0.765)	339462	39.9663	40.0
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57117	50.0840	50.1
	34 1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	221876	32.6551	32.6
	35 Cyclohexane	56	3.569	3.569	(0.827)	276679	36.3447	36.3
	145 isopropyl acetate	61	1.087	1.087	(0.252)	15099		(Q)
	36 Carbon Tetrachloride	117	3.676	3.676	(0.851)	157693	27.0584	27.0
	37 1,1-Dichloropropene	75	3.682	3.682	(0.853)	241872	38.0094	38.0
	39 Benzene	78	3.933	3.933	(0.911)	723911	41.0316	41.0
	141 2,2,4-Trimethylpentane	57	4.104	4.099	(0.950)	735003	42.9474	42.9
	40 1,2-Dichloroethane	62	4.019	4.019	(0.931)	242460	44.0355	44.0
	38 Isobutyl alcohol	43	4.051	4.099	(0.938)	968391	1816.38	1820(QR)
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	222452	50.0000	
	42 Trichloroethene	95	4.751	4.746	(1.100)	169797	34.0555	34.0
	43 Methylcyclohexane	55	5.003	5.003	(1.159)	209881	32.2386	32.2
	142 1,4-Dioxane	88	5.153	5.142	(1.193)	63888	778.464	778
	44 1,2-Dichloropropane	63	5.046	5.046	(1.168)	185471	40.5040	40.5
	45 Dibromomethane	93	5.137	5.131	(1.190)	130837	45.4490	45.4
	46 Methyl methacrylate	69	5.147	5.148	(1.192)	466490	158.128	158(R)
	47 Bromodichloromethane	83	5.345	5.340	(1.238)	217748	38.3601	38.4
	49 cis-1,3-Dichloropropene	75	5.805	5.806	(0.798)	203862	30.3755	30.4
	50 4-Methyl-2-Pentanone	43	5.971	5.971	(0.821)	821579	229.060	229
$	51 Toluene-d8	98	6.068	6.068	(0.834)	203900	51.0548	51.0
	52 Toluene	91	6.132	6.132	(0.843)	584711	33.6241	33.6
	53 trans-1,3-Dichloropropene	75	6.399	6.394	(0.880)	139988	23.8512	23.8
	54 Ethyl Methacrylate	69	6.474	6.474	(0.890)	700749	151.616	152(R)
	55 1,1,2-Trichloroethane	83	6.570	6.565	(0.904)	137345	44.3988	44.4
	56 Tetrachloroethene	166	6.619	6.613	(0.910)	129157	25.0424	25.0
	57 1,3-Dichloropropane	76	6.699	6.699	(0.921)	258995	44.6384	44.6
	58 2-Hexanone	43	6.758	6.758	(0.929)	528237	208.725	209
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	140027	37.0538	37.0
	60 1,2-Dibromoethane	107	6.945	6.945	(0.955)	158574	43.9028	43.9
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	147158	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	328801	29.9265	29.9
	63 1,1,1,2-Tetrachloroethane	131	7.362	7.362	(1.013)	109087	30.4289	30.4
	64 Ethylbenzene	106	7.362	7.362	(1.013)	136184	24.6967	24.7
	65 m&p-Xylene	106	7.448	7.453	(1.024)	313181	46.1458	46.1
	67 o-Xylene	106	7.683	7.683	(1.057)	178629	25.4817	25.5(R)
	68 Styrene	104	7.694	7.694	(1.058)	270208	23.9178	23.9
	69 Bromoform	173	7.801	7.801	(0.909)	79040	34.3409	34.3
	70 Isopropylbenzene	105	7.897	7.897	(1.086)	366486	20.5706	20.6
$	72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	66713	45.9305	45.9
	74 Bromobenzene	77	8.063	8.063	(1.109)	181276	26.4065	26.4(R)
	73 1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	206630	45.3830	45.4
	75 1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	273627	55.4428	55.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	116218	114.227	114 (QR)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	310298	16.3133	16.3 (R)
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	255491	21.6633	21.7 (R)
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	256574	17.9400	17.9 (R)
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	86613	21.9982	22.0
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	239029	14.8468	14.8 (R)
81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	244511	16.6813	16.7 (R)
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	277784	14.8839	14.9 (R)
83	1,3-Dichlorobenzene	146	8.544	8.545	(0.996)	160007	19.8603	19.9 (R)
84	p-Isopropyltoluene	119	8.560	8.561	(0.998)	192516	12.4875	12.5 (R)
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	75827	50.0000	(Q)
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	155903	18.9947	19.0 (R)
87	n-Butylbenzene	91	8.753	8.753	(1.020)	130256	9.14812	9.15 (R)
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	189162	24.2712	24.3
89	1,2-Dibromo-3-chloropropane	155	9.122	9.122	(1.063)	34739	41.3646	41.4
90	1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	116798	17.5323	17.5 (R)
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	20907	5.62185	5.62 (R)
92	Naphthalene	128	9.588	9.588	(1.117)	598277	28.2634	28.3
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	136490	21.9422	21.9
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	336206	30.2602	30.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c13.D
Lab Smp Id: msd5043009023
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: msd5043009023
Level: LOW
Sample Type: WATER
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	222452	-6.28
61 Chlorobenzene-d5	157497	78749	314994	147158	-6.56
85 1,4-Dichlorobenze	79662	39831	159324	75827	-4.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: msd5043009023
Client Smp ID: msd5043009023
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: MSD
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	49.7	99.45	30-163
2 Chloromethane	50.0	41.2	82.45	36-136
3 Vinyl Chloride	50.0	54.4	108.88	51-144
4 Bromomethane	50.0	77.2	154.45	30-170
5 Chloroethane	50.0	57.8	115.70	54-157
6 Trichlorofluoromet	50.0	60.3	120.69	53-162
7 1,2-dichlorotriflu	50.0	46.5	93.08	50-150
8 Diethyl ether	50.0	88.5	177.02*	70-130
9 Acrolein	1000	964	96.43	30-170
11 1,1-Dichloroethene	50.0	45.3	90.59	55-140
10 1,1,2trichlorotrif	50.0	47.1	94.28	50-150
12 Acetone	250	250	99.84	30-170
13 Iodomethane	100	92.9	92.94	28-168
14 Carbon Disulfide	100	73.0	72.98	46-162
16 Methyl Acetate	50.0	60.0	120.10	40-182
15 allyl chloride	100	69.4	69.38	39-155
17 Methylene Chloride	50.0	42.9	85.90	46-154
19 Acrylonitrile	1000	979	97.92	66-137
21 1,2-Dichloroethene	50.0	42.7	85.42	60-137
20 Methyl-tert-butyl	100	83.2	83.20	52-156
22 n-Hexane	50.0	41.4	82.92	32-176
23 1,1-Dichloroethane	50.0	45.5	91.04	68-139
24 Vinyl Acetate	200	36.6	18.30*	24-132
26 1,2-Dichloroethene	50.0	47.5	95.04	65-132
27 2,2-Dichloropropan	50.0	20.8	41.63	35-157
28 2-Butanone	250	240	95.89	62-132
30 Bromochloromethane	50.0	45.8	91.62	65-157
31 Tetrahydrofuran	50.0	36.5	73.03	50-150
32 Chloroform	50.0	40.0	79.93	67-134
34 1,1,1-Trichloroeth	50.0	32.6	65.31	64-143
35 Cyclohexane	50.0	36.3	72.69	39-167
38 Isobutyl alcohol	50.0	1820	3632.76*	50-150
37 1,1-Dichloropropen	50.0	38.0	76.02	66-140
36 Carbon Tetrachlori	50.0	27.0	54.12	54-145
39 Benzene	50.0	41.0	82.06	63-141
40 1,2-Dichloroethane	50.0	44.0	88.07	63-148
42 Trichloroethene	50.0	34.0	68.11	61-137
43 Methylcyclohexane	50.0	32.2	64.48	44-158
44 1,2-Dichloropropan	50.0	40.5	81.01	70-136
45 Dibromomethane	50.0	45.4	90.90	67-144

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
46 Methyl methacrylat	50.0	158	316.26*	50-150
47 Bromodichlorometha	50.0	38.4	76.72	63-135
48 2-Chloroethyl vin	100	0.000	*	50-150
49 cis-1,3-Dichloropr	50.0	30.4	60.75	46-121
50 4-Methyl-2-Pentano	250	229	91.62	57-135
52 Toluene	50.0	33.6	67.25	59-142
53 trans-1,3-Dichloro	50.0	23.8	47.70	43-117
54 Ethyl Methacrylate	50.0	152	303.23*	52-140
55 1,1,2-Trichloroeth	50.0	44.4	88.80	71-143
56 Tetrachloroethene	50.0	25.0	50.08	25-146
57 1,3-Dichloropropan	50.0	44.6	89.28	65-133
58 2-Hexanone	250	209	83.49	61-141
59 Dibromochlorometha	50.0	37.0	74.11	64-124
60 1,2-Dibromoethane	50.0	43.9	87.81	67-134
62 Chlorobenzene	50.0	29.9	59.85	56-133
63 1,1,1,2-Tetrachlor	50.0	30.4	60.86	55-131
64 Ethylbenzene	50.0	24.7	49.39	44-151
65 m&p-Xylene	100	46.1	46.15	41-153
67 o-Xylene	50.0	25.5	50.96*	52-139
68 Styrene	50.0	23.9	47.84	38-141
69 Bromoform	50.0	34.3	68.68	58-124
70 Isopropylbenzene	50.0	20.6	41.14	40-148
71 trans-1,4-Dichloro	50.0	114	228.45*	44-139
73 1,1,2,2-Tetrachlor	50.0	45.4	90.77	64-142
74 Bromobenzene	50.0	26.4	52.81*	57-128
75 1,2,3-Trichloropro	50.0	55.4	110.89	33-140
76 n-Propylbenzene	50.0	16.3	32.63*	40-148
77 2-Chlorotoluene	50.0	21.7	43.33*	44-143
79 4-Chlorotoluene	50.0	22.0	44.00	43-140
78 1,3,5-Trimethylben	50.0	17.9	35.88*	39-145
80 tert-Butylbenzene	50.0	14.8	29.69*	32-133
81 1,2,4-Trimethylben	50.0	16.7	33.36*	39-146
82 sec-Butylbenzene	50.0	14.9	29.77*	38-150
83 1,3-Dichlorobenzen	50.0	19.9	39.72*	40-143
84 p-Isopropyltoluene	50.0	12.5	24.97*	34-146
86 1,4-Dichlorobenzen	50.0	19.0	37.99*	38-142
87 n-Butylbenzene	50.0	9.15	18.30*	27-153
88 1,2-Dichlorobenzen	50.0	24.3	48.54	48-137
90 1,2,4-Trichloroben	50.0	17.5	35.06*	39-146
93 1,2,3-Trichloroben	50.0	21.9	43.88	33-140
89 1,2-Dibromo-3-chlo	50.0	41.4	82.73	39-140
91 Hexachlorobutadien	50.0	5.62	11.24*	30-145
92 Naphthalene	50.0	28.3	56.53	44-138
94 2,methyl-naphthale	50.0	30.3	60.52	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.1	100.17	80-123
$ 51 Toluene-d8	50.0	51.0	102.11	80-116
$ 72 4-Bromofluorobenze	50.0	45.9	91.86	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: msd5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: msd5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	49.7	
74-87-3	Chloromethane	41.2	
75-01-4	Vinyl Chloride	54.4	
74-83-9	Bromomethane	77.2	
75-00-3	Chloroethane	57.8	
75-69-4	Trichlorofluoromethane	60.3	
354-23-4	1,2-dichlorotrifluoroethane	46.5	
60-29-7	Diethyl ether	88.5	
75-65-0	2-methyl-2-propanol	41.8	
107-02-8	Acrolein	964	
76-13-1	1,1,2trichlorotrifluoroethan	47.1	
75-35-4	1,1-Dichloroethene	45.3	
67-64-1	Acetone	250	
75-05-8	Acetonitrile	36.3	
----------	Iodomethane	92.9	
75-15-0	Carbon Disulfide	73.0	
79-20-9	Methyl Acetate	60.0	
107-05-1	allyl chloride	69.4	
75-09-2	Methylene Chloride	42.9	
107-13-1	Acrylonitrile	979	
1634-04-4	Methyl-tert-butyl ether	83.2	
156-60-5	1,2-Dichloroethene (trans)	42.7	
----------	n-Hexane	41.4	
126-99-8	chloroprene	37.8	
75-34-3	1,1-Dichloroethane	45.5	
108-05-4	Vinyl Acetate	36.6	
156-59-2	1,2-Dichloroethene (cis)	47.5	
594-20-7	2,2-Dichloropropane	20.8	
78-93-3	2-Butanone	240	
126-98-7	Methacrylonitrile	43.3	
74-97-5	Bromochloromethane	45.8	
----------	Tetrahydrofuran	36.5	
67-66-3	Chloroform	40.0	
71-55-6	1,1,1-Trichloroethane	32.6	
110-82-7	Cyclohexane	36.3	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	27.0	
563-58-6	1,1-Dichloropropene	38.0	
71-43-2	Benzene	41.0	
540-84-1	2,2,4-Trimethylpentane	42.9	
107-06-2	1,2-Dichloroethane	44.0	
78-83-1	Isobutyl alcohol	1820	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: msd5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: msd5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	34.0	
108-87-2	Methylcyclohexane	32.2	
----------	1,4-Dioxane	778	
78-87-5	1,2-Dichloropropane	40.5	
74-95-3	Dibromomethane	45.4	
80-62-6	Methyl methacrylate	158	
75-27-4	Bromodichloromethane	38.4	
10061-01-5	cis-1,3-Dichloropropene	30.4	
108-10-1	4-Methyl-2-Pentanone	229	
108-88-3	Toluene	33.6	
10061-02-6	trans-1,3-Dichloropropene	23.8	
----------	Ethyl Methacrylate	152	
79-00-5	1,1,2-Trichloroethane	44.4	
127-18-4	Tetrachloroethene	25.0	
142-28-9	1,3-Dichloropropane	44.6	
591-78-6	2-Hexanone	209	
124-48-1	Dibromochloromethane	37.0	
106-93-4	1,2-Dibromoethane	43.9	
108-90-7	Chlorobenzene	29.9	
630-20-6	1,1,1,2-Tetrachloroethane	30.4	
100-41-4	Ethylbenzene	24.7	
7816-60-0	m&p-Xylene	46.1	
95-47-6	o-Xylene	25.5	
100-42-5	Styrene	23.9	
75-25-2	Bromoform	34.3	
98-82-8	Isopropylbenzene	20.6	
108-86-1	Bromobenzene	26.4	
79-34-5	1,1,2,2-Tetrachloroethane	45.4	
96-18-4	1,2,3-Trichloropropane	55.4	
----------	trans-1,4-Dichloro-2-butene	114	
103-65-1	n-Propylbenzene	16.3	
95-49-8	2-Chlorotoluene	21.7	
108-67-8	1,3,5-Trimethylbenzene	17.9	
106-43-4	4-Chlorotoluene	22.0	
98-06-6	tert-Butylbenzene	14.8	
95-63-6	1,2,4-Trimethylbenzene	16.7	
135-98-8	sec-Butylbenzene	14.9	
541-73-1	1,3-Dichlorobenzene	19.9	
99-87-6	p-Isopropyltoluene	12.5	
106-46-7	1,4-Dichlorobenzene	19.0	
104-51-8	n-Butylbenzene	9.15	
95-50-1	1,2-Dichlorobenzene	24.3	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: msd5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

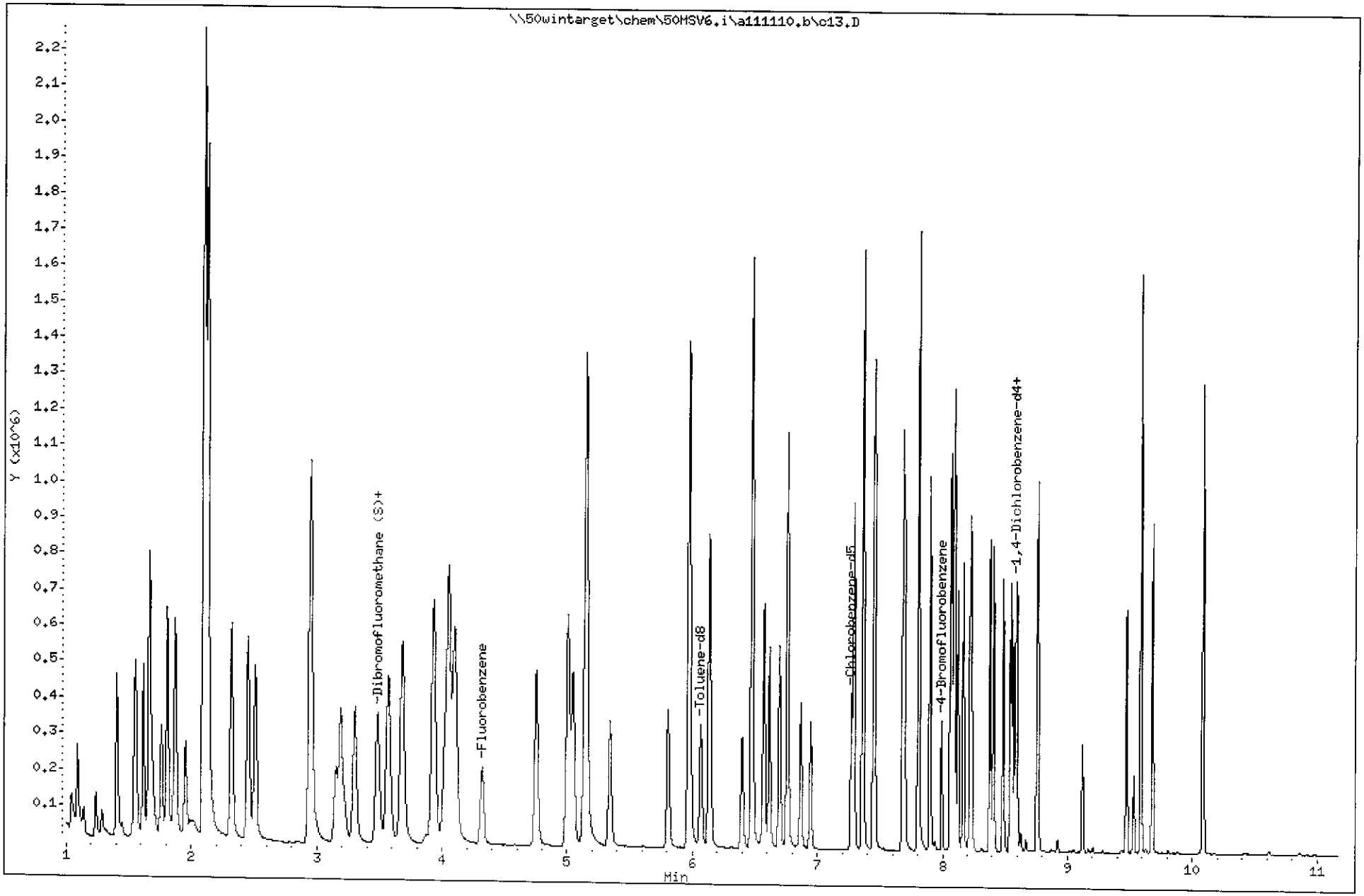
Client SDG: a111110.b
Client Smp ID: msd5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	41.4	
120-82-1	1,2,4-Trichlorobenzene	17.5	
87-68-3	Hexachlorobutadiene	5.62	
91-20-3	Naphthalene	28.3	
87-61-6	1,2,3-Trichlorobenzene	21.9	
----------	2,methyl-naphthalene	30.3	
1868-53-7	Dibromofluoromethane (S)	50.1	
2037-26-5	Toluene-d8	51.0	
460-00-4	4-Bromofluorobenzene	45.9	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c13.D
Date : 12-NOV-2010 09:01
Client ID: msd5043009023
Sample Info: msd5043009023
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c13.D

Date : 12-NOV-2010 09:01

Client ID: msd5043009023

Instrument: 50MSV6.i

Sample Info: msd5043009023

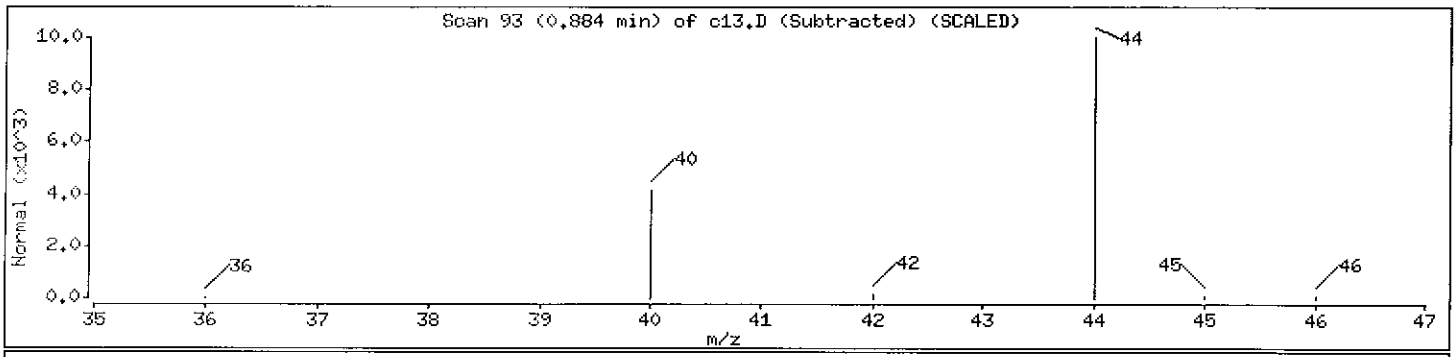
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111210.b\a02lcs.D
Lab Smp Id: 507783 Client Smp ID: lcs
Inj Date : 12-NOV-2010 15:02
Operator : jlf Inst ID: 50MSV6.i
Smp Info : lcs 34C-141
Misc Info : 28223
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Meth Date : 15-Nov-2010 10:17 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	0.954	0.953	(0.221)	280994	61.2186	61.2
2 Chloromethane	50	1.039	1.039	(0.241)	175731	43.8929	43.9
3 Vinyl Chloride	62	1.087	1.087	(0.252)	184897	55.4479	55.4
4 Bromomethane	94	1.237	1.231	(0.287)	70223	100.570	100(R)
5 Chloroethane	64	1.285	1.280	(0.298)	62338	59.3434	59.3
6 Trichlorofluoromethane	101	1.403	1.403	(0.325)	262365	60.8725	60.9
7 1,2-dichlorotrifluoroethane	67	1.553	1.547	(0.360)	151268	44.6152	44.6
8 Diethyl ether	74	1.537	1.536	(0.356)	64180	84.8860	84.9(R)
18 2-methyl-2-propanol	59	2.018	2.018	(0.467)	36872	46.6188	46.6(M)
9 Acrolein	56	1.617	1.611	(0.374)	273811	889.131	889
10 1,1,2trichlorotrifluoroethane	101	1.660	1.659	(0.384)	128227	44.8873	44.9
11 1,1-Dichloroethene	96	1.665	1.665	(0.386)	131046	48.6884	48.7
12 Acetone	43	1.686	1.686	(0.391)	239977	360.704	361
143 Acetonitrile	41	1.868	1.868	(0.433)	234030	41.3579	41.4
13 Iodomethane	142	1.761	1.756	(0.408)	324649	98.7578	98.8
14 Carbon Disulfide	76	1.804	1.804	(0.418)	736443	88.1612	88.2
16 Methyl Acetate	43	1.863	1.857	(0.431)	83179	30.1024	30.1
15 allyl chloride	41	1.868	1.868	(0.433)	234030	79.0025	79.0
17 Methylene Chloride	84	1.949	1.948	(0.451)	160899	48.1513	48.2
19 Acrylonitrile	53	2.098	2.098	(0.486)	1381055	904.434	904
20 Methyl-tert-butyl ether	73	2.125	2.125	(0.492)	957937	79.5412	79.5
21 1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	225082	48.3399	48.3
22 n-Hexane	57	2.318	2.312	(0.537)	291187	44.1015	44.1

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)
	147	chloroprene	53	2.505	2.505	(0.580)	251702	37.4434	37.4
	23	1,1-Dichloroethane	63	2.451	2.446	(0.568)	356857	43.4630	43.5
	24	Vinyl Acetate	43	2.441	2.440	(0.565)	1140497	210.889	211
	26	1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	241122	48.7546	48.8
	27	2,2-Dichloropropane	77	2.949	2.949	(0.683)	186554	29.2208	29.2
	28	2-Butanone	43	2.938	2.943	(0.680)	535474	251.397	251
	144	Methacrylonitrile	41	3.152	3.152	(0.730)	95080	39.3402	39.3
	30	Bromochloromethane	49	3.190	3.184	(0.739)	163046	46.0133	46.0
	31	Tetrahydrofuran	42	3.570	3.569	(0.827)	64964	38.6395	38.6
	32	Chloroform	83	3.302	3.302	(0.765)	361362	41.8136	41.8
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58593	50.4955	50.5
	34	1,1,1-Trichloroethane	97	3.489	3.484	(0.808)	268076	38.7768	38.8
	35	Cyclohexane	56	3.570	3.569	(0.827)	294561	38.1460	38.1
	145	isopropyl acetate	61	1.087	1.087	(0.252)	15817		(Q)
	36	Carbon Tetrachloride	117	3.677	3.676	(0.851)	210462	35.4925	35.5
	37	1,1-Dichloropropene	75	3.682	3.682	(0.853)	304938	47.0966	47.1
	39	Benzene	78	3.933	3.933	(0.911)	838686	46.7203	46.7
	141	2,2,4-Trimethylpentane	57	4.099	4.099	(0.949)	904015	51.9155	51.9
	40	1,2-Dichloroethane	62	4.019	4.019	(0.931)	249319	44.5032	44.5
	38	Isobutyl alcohol	43	4.051	4.099	(0.938)	1479235	2726.88	2730 (QR)
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	226341	50.0000	
	42	Trichloroethene	95	4.752	4.746	(1.100)	227881	44.9198	44.9
	43	Methylcyclohexane	55	5.003	5.003	(1.159)	255677	39.1453	39.1
	142	1,4-Dioxane	88	5.153	5.142	(1.193)	58853	704.909	705
	44	1,2-Dichloropropane	63	5.046	5.046	(1.168)	205251	44.0535	44.0
	45	Dibromomethane	93	5.132	5.131	(1.188)	136805	46.7055	46.7
	46	Methyl methacrylate	69	5.148	5.147	(1.192)	488913	162.836	163
	47	Bromodichloromethane	83	5.346	5.340	(1.238)	246849	42.7396	42.7
	48	2-Chloroethyl vinyl ether	63	5.672	5.672	(0.780)	61829	26.8787	26.9
	49	cis-1,3-Dichloropropene	75	5.806	5.805	(0.798)	277969	39.0137	39.0
	50	4-Methyl-2-Pentanone	43	5.972	5.971	(0.821)	805629	211.577	212
$	51	Toluene-d8	98	6.068	6.068	(0.834)	211154	49.8026	49.8
	52	Toluene	91	6.132	6.132	(0.843)	863186	48.3108	48.3
	53	trans-1,3-Dichloropropene	75	6.394	6.394	(0.879)	206837	33.1956	33.2
	54	Ethyl Methacrylate	69	6.474	6.474	(0.890)	818363	166.787	167
	55	1,1,2-Trichloroethane	83	6.565	6.565	(0.903)	145795	44.3950	44.4
	56	Tetrachloroethene	166	6.614	6.613	(0.910)	250360	45.7253	45.7
	57	1,3-Dichloropropane	76	6.699	6.699	(0.921)	290172	47.1092	47.1
	58	2-Hexanone	43	6.758	6.758	(0.929)	619122	230.439	230
	59	Dibromochloromethane	129	6.865	6.865	(0.944)	169330	42.2073	42.2
	60	1,2-Dibromoethane	107	6.945	6.945	(0.955)	180773	47.1441	47.1
*	61	Chlorobenzene-d5	117	7.272	7.271	(1.000)	156225	50.0000	
	62	Chlorobenzene	112	7.293	7.293	(1.003)	560589	48.0619	48.1
	63	1,1,1,2-Tetrachloroethane	131	7.357	7.362	(1.012)	153075	40.2209	40.2
	64	Ethylbenzene	106	7.362	7.362	(1.013)	281895	48.1540	48.2
	65	m&p-Xylene	106	7.453	7.453	(1.025)	691436	95.9671	96.0
	67	o-Xylene	106	7.683	7.683	(1.057)	345861	46.4742	46.5
	68	Styrene	104	7.694	7.694	(1.058)	568897	47.4340	47.4
	69	Bromoform	173	7.801	7.801	(0.909)	99365	40.1167	40.1
	70	Isopropylbenzene	105	7.897	7.897	(1.086)	874929	46.2589	46.2
$	72	4-Bromofluorobenzene	95	7.994	7.993	(1.099)	72018	46.7051	46.7
	74	Bromobenzene	77	8.063	8.063	(1.109)	328581	45.0865	45.1
	73	1,1,2,2-Tetrachloroethane	83	8.074	8.074	(0.941)	228667	47.4964	47.5
	75	1,2,3-Trichloropropane	75	8.095	8.095	(0.943)	372724	71.4219	71.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
71	trans-1,4-Dichloro-2-butene	53	8.090	8.090	(1.113)	165956	153.968	154 (Q)
76	n-Propylbenzene	91	8.122	8.122	(0.946)	1013960	50.4128	50.4
77	2-Chlorotoluene	91	8.165	8.165	(0.951)	610801	48.9786	49.0
78	1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	757906	50.1168	50.1
79	4-Chlorotoluene	126	8.165	8.165	(0.951)	214755	51.5829	51.6
80	tert-Butylbenzene	119	8.379	8.379	(0.976)	665700	39.1039	39.1
81	1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	741877	47.8655	47.9
82	sec-Butylbenzene	105	8.486	8.486	(0.989)	1001482	50.7469	50.7
83	1,3-Dichlorobenzene	146	8.545	8.544	(0.996)	430225	50.5011	50.5
84	p-Isopropyltoluene	119	8.561	8.561	(0.998)	834028	51.1618	51.2
* 85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	80180	50.0000	
86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	425927	49.0763	49.1
87	n-Butylbenzene	91	8.753	8.753	(1.020)	767999	51.0097	51.0
88	1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	409751	49.7205	49.7
89	1,2-Dibromo-3-chloropropane	155	9.123	9.122	(1.063)	38405	43.2472	43.2
90	1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	351248	49.8627	49.9
91	Hexachlorobutadiene	225	9.529	9.529	(1.110)	198626	50.5105	50.5
92	Naphthalene	128	9.588	9.588	(1.117)	887189	45.2995	45.3
93	1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	331289	50.3668	50.4
94	2,methyl-naphthalene	142	10.085	10.085	(1.175)	570518	53.0308	53.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a02lcs.D
Lab Smp Id: 507783
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28223

Calibration Date: 12-NOV-2010
Calibration Time: 14:25
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	221037	110519	442074	226341	2.40
61 Chlorobenzene-d5	150814	75407	301628	156225	3.59
85 1,4-Dichlorobenze	77535	38768	155070	80180	3.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.01
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 507783
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCS-s.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28223

Client SDG: a111210.b
Fraction: VOA
Client Smp ID: lcs
Operator: jlf
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	61.2	122.44	30-170
2 Chloromethane	50.0	43.9	87.79	31-155
3 Vinyl Chloride	50.0	55.4	110.90	50-146
4 Bromomethane	50.0	100	201.14*	47-147
5 Chloroethane	50.0	59.3	118.69	57-147
6 Trichlorofluoromet	50.0	60.9	121.74	55-156
8 Diethyl ether	50.0	84.9	169.77*	70-130
9 Acrolein	1000	889	88.91	30-190
11 1,1-Dichloroethene	50.0	48.7	97.38	61-123
10 1,1,2trichlorotrif	50.0	44.9	89.77	70-130
12 Acetone	250	361	144.28	30-190
13 Iodomethane	100	98.8	98.76	38-173
14 Carbon Disulfide	100	88.2	88.16	56-141
15 allyl chloride	100	79.0	79.00	70-130
17 Methylene Chloride	50.0	48.2	96.30	30-170
19 Acrylonitrile	1000	904	90.44	65-129
21 1,2-Dichloroethene	50.0	48.3	96.68	70-122
20 Methyl-tert-butyl	100	79.5	79.54	59-142
22 n-Hexane	50.0	44.1	88.20	76-143
23 1,1-Dichloroethane	50.0	43.5	86.93	62-132
24 Vinyl Acetate	200	211	105.44	46-127
27 2,2-Dichloropropan	50.0	29.2	58.44	53-136
26 1,2-Dichloroethene	50.0	48.8	97.51	76-119
28 2-Butanone	250	251	100.56	33-190
7 1,2-dichlorotriflu	50.0	44.6	89.23	50-150
30 Bromochloromethane	50.0	46.0	92.03	56-143
31 Tetrahydrofuran	50.0	38.6	77.28	50-150
32 Chloroform	50.0	41.8	83.63	74-123
34 1,1,1-Trichloroeth	50.0	38.8	77.55	61-135
36 Carbon Tetrachlori	50.0	35.5	70.99	54-136
37 1,1-Dichloropropen	50.0	47.1	94.19	74-128
38 Isobutyl alcohol	50.0	2730	5453.77*	50-150
39 Benzene	50.0	46.7	93.44	76-123
40 1,2-Dichloroethane	50.0	44.5	89.01	62-135
42 Trichloroethene	50.0	44.9	89.84	74-121
44 1,2-Dichloropropan	50.0	44.0	88.11	74-124
45 Dibromomethane	50.0	46.7	93.41	70-127
46 Methyl methacrylat	200	163	81.42	70-130
47 Bromodichlorometha	50.0	42.7	85.48	67-123
49 cis-1,3-Dichloropr	50.0	39.0	78.03	56-110

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 4-Methyl-2-Pentano	250	212	84.63	58-126
52 Toluene	50.0	48.3	96.62	72-123
53 trans-1,3-Dichloro	50.0	33.2	66.39	55-107
54 Ethyl Methacrylate	200	167	83.39	58-126
55 1,1,2-Trichloroeth	50.0	44.4	88.79	74-127
56 Tetrachloroethene	50.0	45.7	91.45	63-117
57 1,3-Dichloropropan	50.0	47.1	94.22	71-122
58 2-Hexanone	250	230	92.18	44-168
59 Dibromochlorometha	50.0	42.2	84.41	63-122
60 1,2-Dibromoethane	50.0	47.1	94.29	74-119
62 Chlorobenzene	50.0	48.1	96.12	75-115
63 1,1,1,2-Tetrachlor	50.0	40.2	80.44	65-124
64 Ethylbenzene	50.0	48.2	96.31	78-121
65 m&p-Xylene	100	96.0	95.97	78-120
67 o-Xylene	50.0	46.5	92.95	77-119
68 Styrene	50.0	47.4	94.87	75-118
69 Bromoform	50.0	40.1	80.23	58-117
70 Isopropylbenzene	50.0	46.2	92.52	75-128
71 trans-1,4-Dichloro	200	154	76.98	50-150
74 Bromobenzene	50.0	45.1	90.17	74-116
73 1,1,2,2-Tetrachlor	50.0	47.5	94.99	66-124
75 1,2,3-Trichloropro	100	71.4	71.42	61-120
76 n-Propylbenzene	50.0	50.4	100.83	70-126
77 2-Chlorotoluene	50.0	49.0	97.96	72-122
79 4-Chlorotoluene	50.0	51.6	103.17	72-120
78 1,3,5-Trimethylben	50.0	50.1	100.23	73-122
80 tert-Butylbenzene	50.0	39.1	78.21	61-114
81 1,2,4-Trimethylben	50.0	47.9	95.73	72-120
82 sec-Butylbenzene	50.0	50.7	101.49	72-125
83 1,3-Dichlorobenzen	50.0	50.5	101.00	73-120
84 p-Isopropyltoluene	50.0	51.2	102.32	65-125
86 1,4-Dichlorobenzen	50.0	49.1	98.15	72-118
88 1,2-Dichlorobenzen	50.0	49.7	99.44	75-117
87 n-Butylbenzene	50.0	51.0	102.02	70-123
89 1,2-Dibromo-3-chlo	50.0	43.2	86.49	58-122
90 1,2,4-Trichloroben	50.0	49.9	99.73	58-126
91 Hexachlorobutadien	50.0	50.5	101.02	65-128
92 Naphthalene	50.0	45.3	90.60	60-128
93 1,2,3-Trichloroben	50.0	50.4	100.73	60-125
94 2,methyl-naphthale	50.0	53.0	106.06	70-130
16 Methyl Acetate	50.0	30.1	60.20	30-191
35 Cyclohexane	50.0	38.1	76.29	63-127
43 Methylcyclohexane	50.0	39.1	78.29	71-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.5	100.99	80-123
$ 51 Toluene-d8	50.0	49.8	99.61	80-116
$ 72 4-Bromofluorobenze	50.0	46.7	93.41	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 507783
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28223

Client SDG: a111210.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	61.2	
74-87-3	Chloromethane	43.9	
75-01-4	Vinyl Chloride	55.4	
74-83-9	Bromomethane	100	
75-00-3	Chloroethane	59.3	
75-69-4	Trichlorofluoromethane	60.9	
354-23-4	1,2-dichlorotrifluoroethane	44.6	
60-29-7	Diethyl ether	84.9	
75-65-0	2-methyl-2-propanol	46.6	
107-02-8	Acrolein	889	
76-13-1	1,1,2trichlorotrifluoroethan	44.9	
75-35-4	1,1-Dichloroethene	48.7	
67-64-1	Acetone	361	
75-05-8	Acetonitrile	41.4	
----------	Iodomethane	98.8	
75-15-0	Carbon Disulfide	88.2	
79-20-9	Methyl Acetate	30.1	
107-05-1	allyl chloride	79.0	
75-09-2	Methylene Chloride	48.2	
107-13-1	Acrylonitrile	904	
1634-04-4	Methyl-tert-butyl ether	79.5	
156-60-5	1,2-Dichloroethene (trans)	48.3	
----------	n-Hexane	44.1	
126-99-8	chloroprene	37.4	
75-34-3	1,1-Dichloroethane	43.5	
108-05-4	Vinyl Acetate	211	
156-59-2	1,2-Dichloroethene (cis)	48.8	
594-20-7	2,2-Dichloropropane	29.2	
78-93-3	2-Butanone	251	
126-98-7	Methacrylonitrile	39.3	
74-97-5	Bromochloromethane	46.0	
----------	Tetrahydrofuran	38.6	
67-66-3	Chloroform	41.8	
71-55-6	1,1,1-Trichloroethane	38.8	
110-82-7	Cyclohexane	38.1	
108-21-4	isopropyl acetate	0.000	
56-23-5	Carbon Tetrachloride	35.5	
563-58-6	1,1-Dichloropropene	47.1	
71-43-2	Benzene	46.7	
540-84-1	2,2,4-Trimethylpentane	51.9	
107-06-2	1,2-Dichloroethane	44.5	
78-83-1	Isobutyl alcohol	2730	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 507783
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28223

Client SDG: a111210.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	44.9	
108-87-2	Methylcyclohexane	39.1	
----------	1,4-Dioxane	705	
78-87-5	1,2-Dichloropropane	44.0	
74-95-3	Dibromomethane	46.7	
80-62-6	Methyl methacrylate	163	
75-27-4	Bromodichloromethane	42.7	
110-75-8	2-Chloroethyl vinyl ether	26.9	
10061-01-5	cis-1,3-Dichloropropene	39.0	
108-10-1	4-Methyl-2-Pentanone	212	
108-88-3	Toluene	48.3	
10061-02-6	trans-1,3-Dichloropropene	33.2	
----------	Ethyl Methacrylate	167	
79-00-5	1,1,2-Trichloroethane	44.4	
127-18-4	Tetrachloroethene	45.7	
142-28-9	1,3-Dichloropropane	47.1	
591-78-6	2-Hexanone	230	
124-48-1	Dibromochloromethane	42.2	
106-93-4	1,2-Dibromoethane	47.1	
108-90-7	Chlorobenzene	48.1	
630-20-6	1,1,1,2-Tetrachloroethane	40.2	
100-41-4	Ethylbenzene	48.2	
7816-60-0	m&p-Xylene	96.0	
95-47-6	o-Xylene	46.5	
100-42-5	Styrene	47.4	
75-25-2	Bromoform	40.1	
98-82-8	Isopropylbenzene	46.2	
108-86-1	Bromobenzene	45.1	
79-34-5	1,1,2,2-Tetrachloroethane	47.5	
96-18-4	1,2,3-Trichloropropane	71.4	
----------	trans-1,4-Dichloro-2-butene	154	
103-65-1	n-Propylbenzene	50.4	
95-49-8	2-Chlorotoluene	49.0	
108-67-8	1,3,5-Trimethylbenzene	50.1	
106-43-4	4-Chlorotoluene	51.6	
98-06-6	tert-Butylbenzene	39.1	
95-63-6	1,2,4-Trimethylbenzene	47.9	
135-98-8	sec-Butylbenzene	50.7	
541-73-1	1,3-Dichlorobenzene	50.5	
99-87-6	p-Isopropyltoluene	51.2	
106-46-7	1,4-Dichlorobenzene	49.1	
104-51-8	n-Butylbenzene	51.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

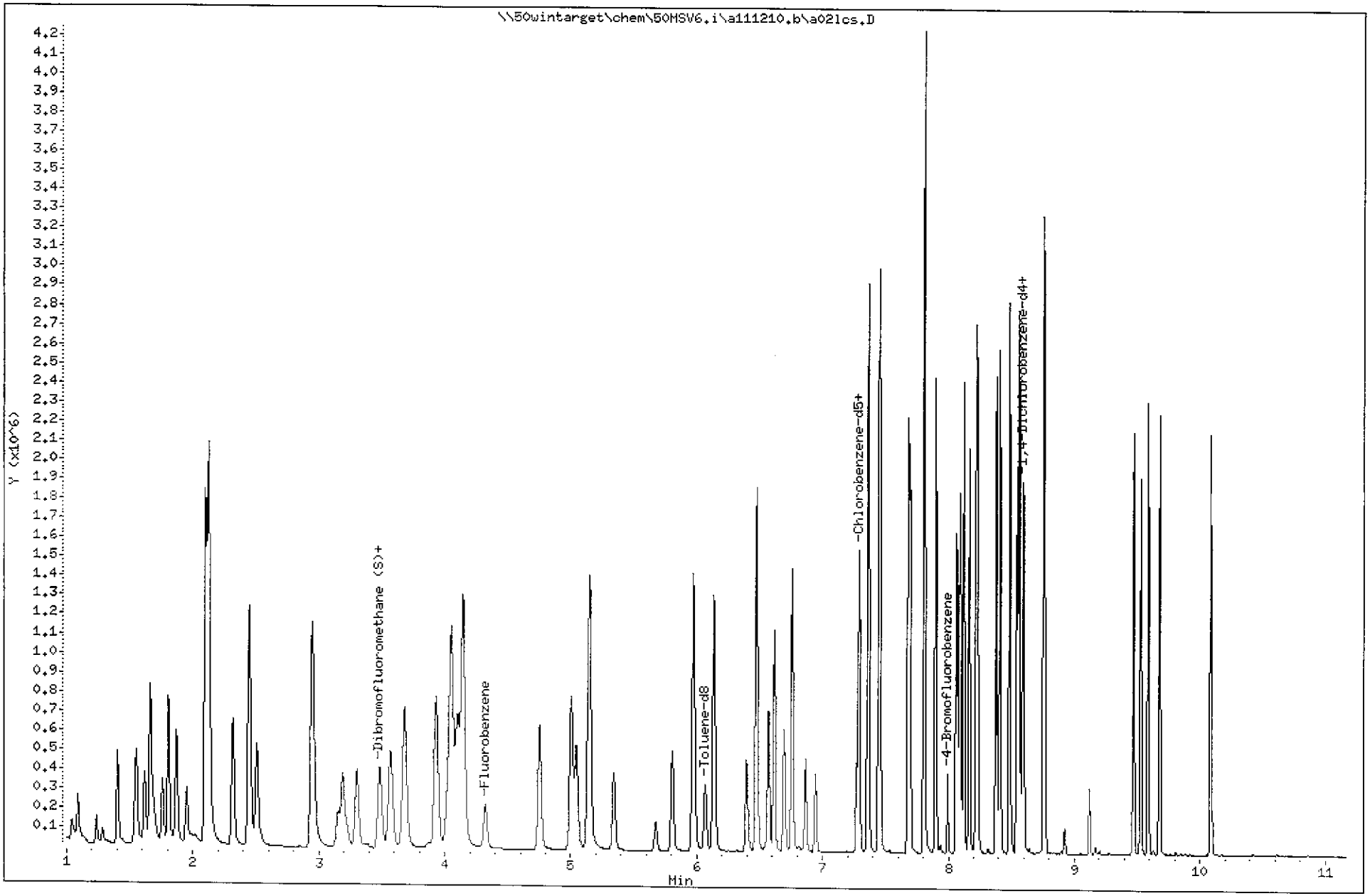
Client Name:
Lab Smp Id: 507783
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28223

Client SDG: a111210.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
95-50-1	1,2-Dichlorobenzene	49.7	
96-12-8	1,2-Dibromo-3-chloropropane	43.2	
120-82-1	1,2,4-Trichlorobenzene	49.9	
87-68-3	Hexachlorobutadiene	50.5	
91-20-3	Naphthalene	45.3	
87-61-6	1,2,3-Trichlorobenzene	50.4	
----------	2,methyl-naphthalene	53.0	
1868-53-7	Dibromofluoromethane (S)	50.5	
2037-26-5	Toluene-d8	49.8	
460-00-4	4-Bromofluorobenzene	46.7	

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a02lcs.D
Date : 12-NOV-2010 15:02
Client ID: lcs
Sample Info: lcs 34C-141
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a02lcs.D

Date : 12-NOV-2010 15:02

Client ID: lcs

Instrument: 50MSV6.i

Sample Info: lcs 34C-141

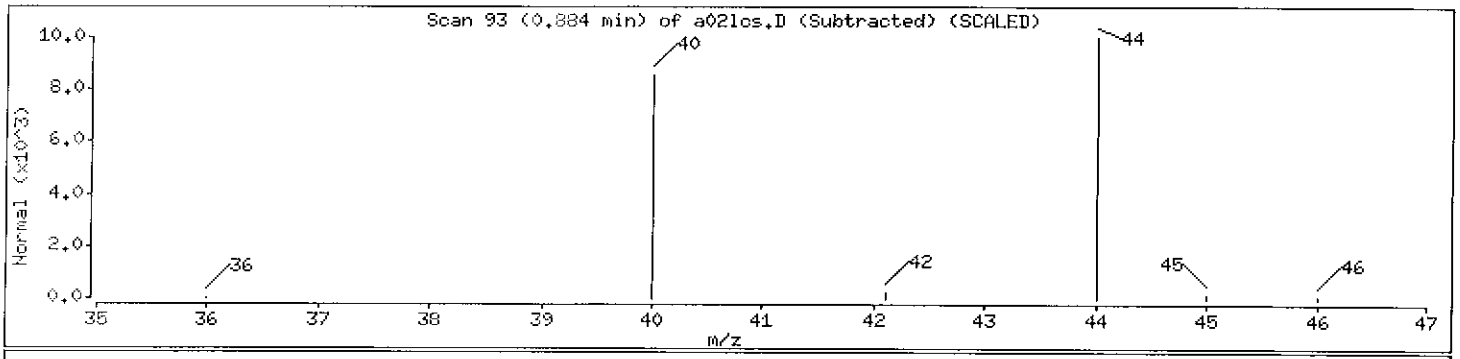
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical®

VOA 8260B
GC/MS Volatiles

Section 5: Method Blank Data

**** Method Blanks***

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a03mb.D
Lab Smp Id: mb 34B-008 Client Smp ID: mb
Inj Date : 11-NOV-2010 14:17
Operator : jlf Inst ID: 50MSV6.i
Smp Info : mb 34B-008
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	2 Chloromethane	50	1.039	1.039	(0.241)	3589	0.81794	0.818	
	19 Acrylonitrile	53	2.098	2.098	(0.486)	7940	4.74445	4.74	
$	33 Dibromofluoromethane (S)	113	3.489	3.484	(0.808)	61441	48.3131	48.3	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	248064	50.0000		
$	51 Toluene-d8	98	6.068	6.068	(0.834)	221954	50.2199	50.2	
	59 Dibromochloromethane	129	6.870	6.865	(0.945)	295	0.07054	0.0705	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	162851	50.0000		
	64 Ethylbenzene	106	7.362	7.362	(1.013)	1088	0.17829	0.178	
	65 m&p-Xylene	106	7.448	7.453	(1.024)	3630	0.48332	0.483	
	68 Styrene	104	7.694	7.694	(1.058)	3516	0.28123	0.281	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	75890	47.2137	47.2	
	74 Bromobenzene	77	8.063	8.063	(1.109)	2896	0.38121	0.381	
	77 2-Chlorotoluene	91	8.165	8.165	(0.951)	3608	0.25541	0.255	
	78 1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	3341	0.19503	0.195	
	79 4-Chlorotoluene	126	8.165	8.165	(0.951)	1145	0.24279	0.243	
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	5279	0.30068	0.301	
	83 1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	5115	0.53004	0.530	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	90825	50.0000		(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	6434	0.65445	0.654	
	87 n-Butylbenzene	91	8.753	8.753	(1.020)	5618	0.32941	0.329	
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	4552	0.48762	0.488	
	90 1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	7129	0.89341	0.893	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	6676	0.89601	0.896

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a03mb.D
Lab Smp Id: mb 34B-008
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	248064	4.51
61 Chlorobenzene-d5	157497	78749	314994	162851	3.40
85 1,4-Dichlorobenze	79662	39831	159324	90825	14.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: mb 34B-008 Client Smp ID: mb
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: BLANK
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.3	96.63	80-123
$ 51 Toluene-d8	50.0	50.2	100.44	80-116
$ 72 4-Bromofluorobenze	50.0	47.2	94.43	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: mb 34B-008
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

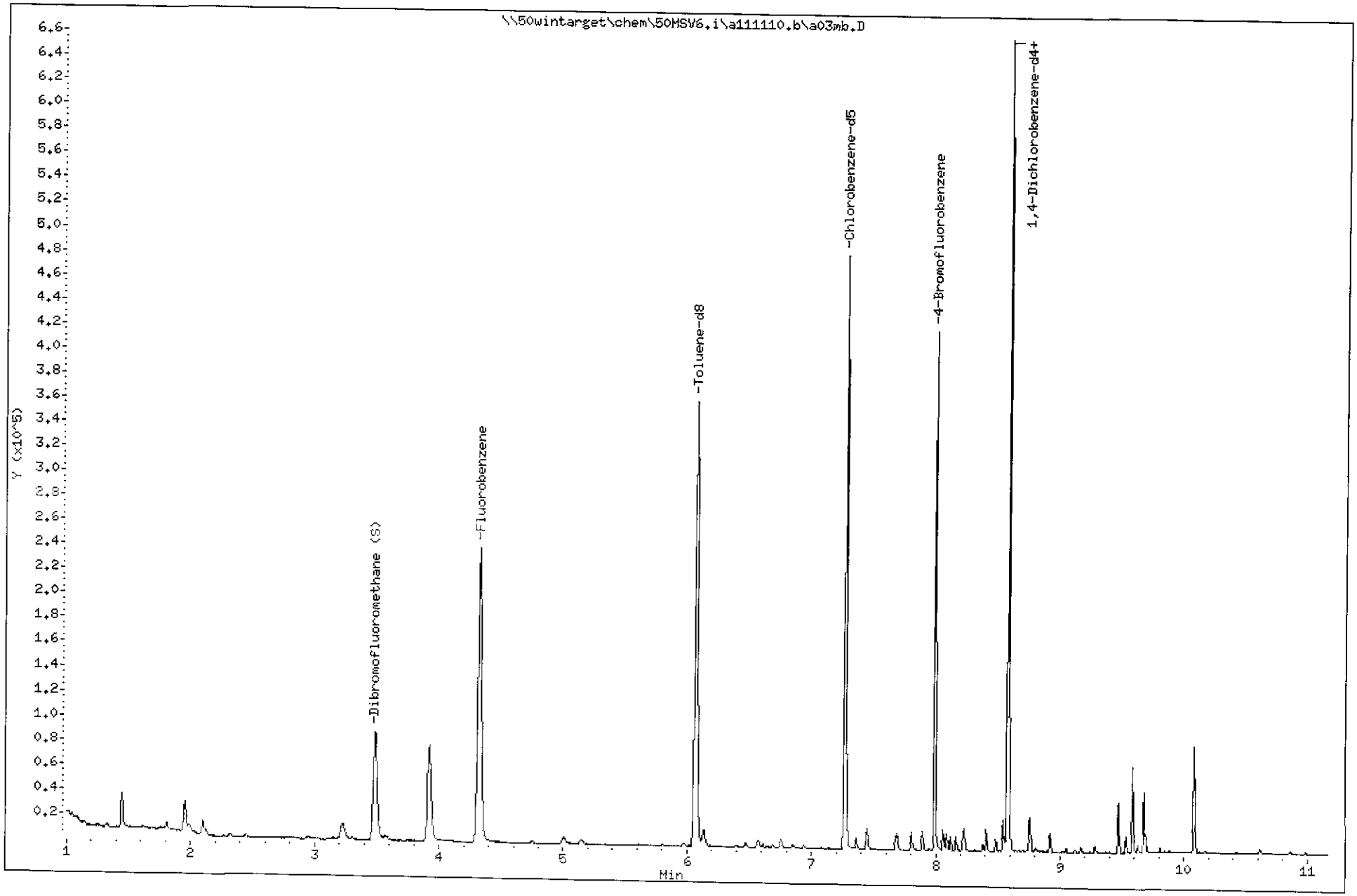
Client SDG: a111110.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-87-3	Chloromethane	0.818	
107-13-1	Acrylonitrile	4.74	
124-48-1	Dibromochloromethane	0.0705	
100-41-4	Ethylbenzene	0.178	
7816-60-0	m&p-Xylene	0.483	
100-42-5	Styrene	0.281	
108-86-1	Bromobenzene	0.381	
95-49-8	2-Chlorotoluene	0.255	
108-67-8	1,3,5-Trimethylbenzene	0.195	
106-43-4	4-Chlorotoluene	0.243	
95-63-6	1,2,4-Trimethylbenzene	0.301	
541-73-1	1,3-Dichlorobenzene	0.530	
106-46-7	1,4-Dichlorobenzene	0.654	
104-51-8	n-Butylbenzene	0.329	
95-50-1	1,2-Dichlorobenzene	0.488	
120-82-1	1,2,4-Trichlorobenzene	0.893	
87-61-6	1,2,3-Trichlorobenzene	0.896	
1868-53-7	Dibromofluoromethane (S)	48.3	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	47.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a03mb.D
Date : 11-NOV-2010 14:17
Client ID: mb
Sample Info: mb 34B-008
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a03mb.D

Date : 11-NOV-2010 14:17

Client ID: mb

Instrument: 50MSV6.i

Sample Info: mb 34B-008

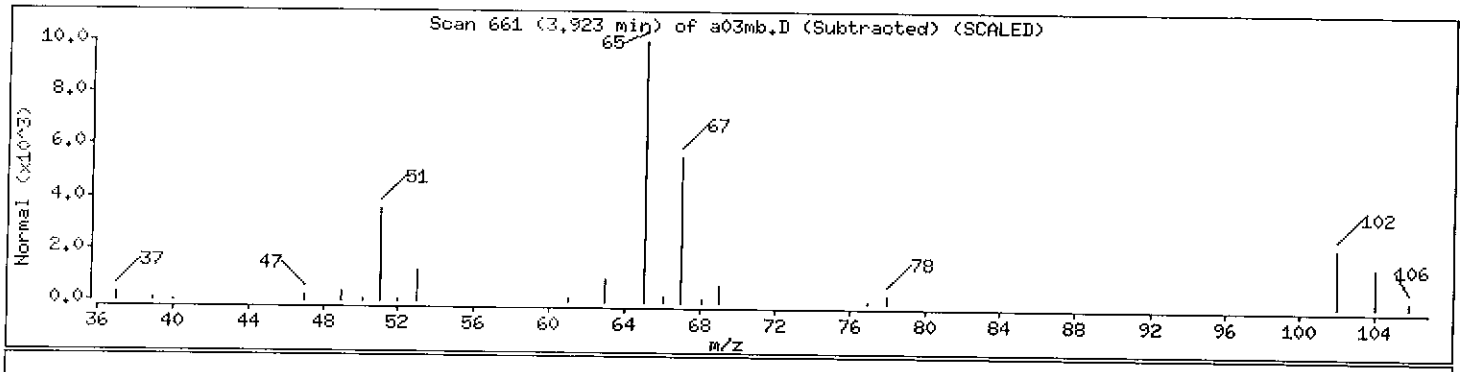
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c03mb.D
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 12-NOV-2010 02:46
Operator : jlf Inst ID: 50MSV6.i
Smp Info : mb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	19 Acrylonitrile	53	2.093	2.098	(0.485)	7924	4.63707	4.64
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	62665	48.2575	48.2
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	253297	50.0000	
$	51 Toluene-d8	98	6.062	6.068	(0.834)	229809	50.0724	50.1
	59 Dibromochloromethane	129	6.865	6.865	(0.944)	230	0.05296	0.0530
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	169111	50.0000	
	64 Ethylbenzene	106	7.362	7.362	(1.013)	1305	0.20594	0.206
	65 m&p-Xylene	106	7.448	7.453	(1.024)	4213	0.54018	0.540
	67 o-Xylene	106	7.683	7.683	(1.057)	2123	0.26354	0.264
	68 Styrene	104	7.694	7.694	(1.058)	3886	0.29932	0.299
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	78783	47.1992	47.2
	74 Bromobenzene	77	8.063	8.063	(1.109)	2856	0.36203	0.362
	76 n-Propylbenzene	91	8.122	8.122	(0.946)	5292	0.22471	0.225
	77 2-Chlorotoluene	91	8.165	8.165	(0.951)	3622	0.24804	0.248
	78 1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	3461	0.19545	0.195
	79 4-Chlorotoluene	126	8.165	8.165	(0.951)	1091	0.22380	0.224 (Q)
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	5273	0.29055	0.290
	83 1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	4998	0.50104	0.501
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	93884	50.0000	(Q)
	86 1,4-Dichlorobenzene	146	8.593	8.598	(1.001)	6426	0.63234	0.632
	87 n-Butylbenzene	91	8.753	8.753	(1.020)	5805	0.32928	0.329
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	4452	0.46137	0.461

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
90 1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	6722	0.81496	0.815
93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	6761	0.87785	0.878

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c03mb.D
Lab Smp Id: mb
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	253297	6.71
61 Chlorobenzene-d5	157497	78749	314994	169111	7.37
85 1,4-Dichlorobenze	79662	39831	159324	93884	17.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: mb Client Smp ID: mb
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: BLANK
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.2	96.52	80-123
$ 51 Toluene-d8	50.0	50.1	100.14	80-116
$ 72 4-Bromofluorobenze	50.0	47.2	94.40	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

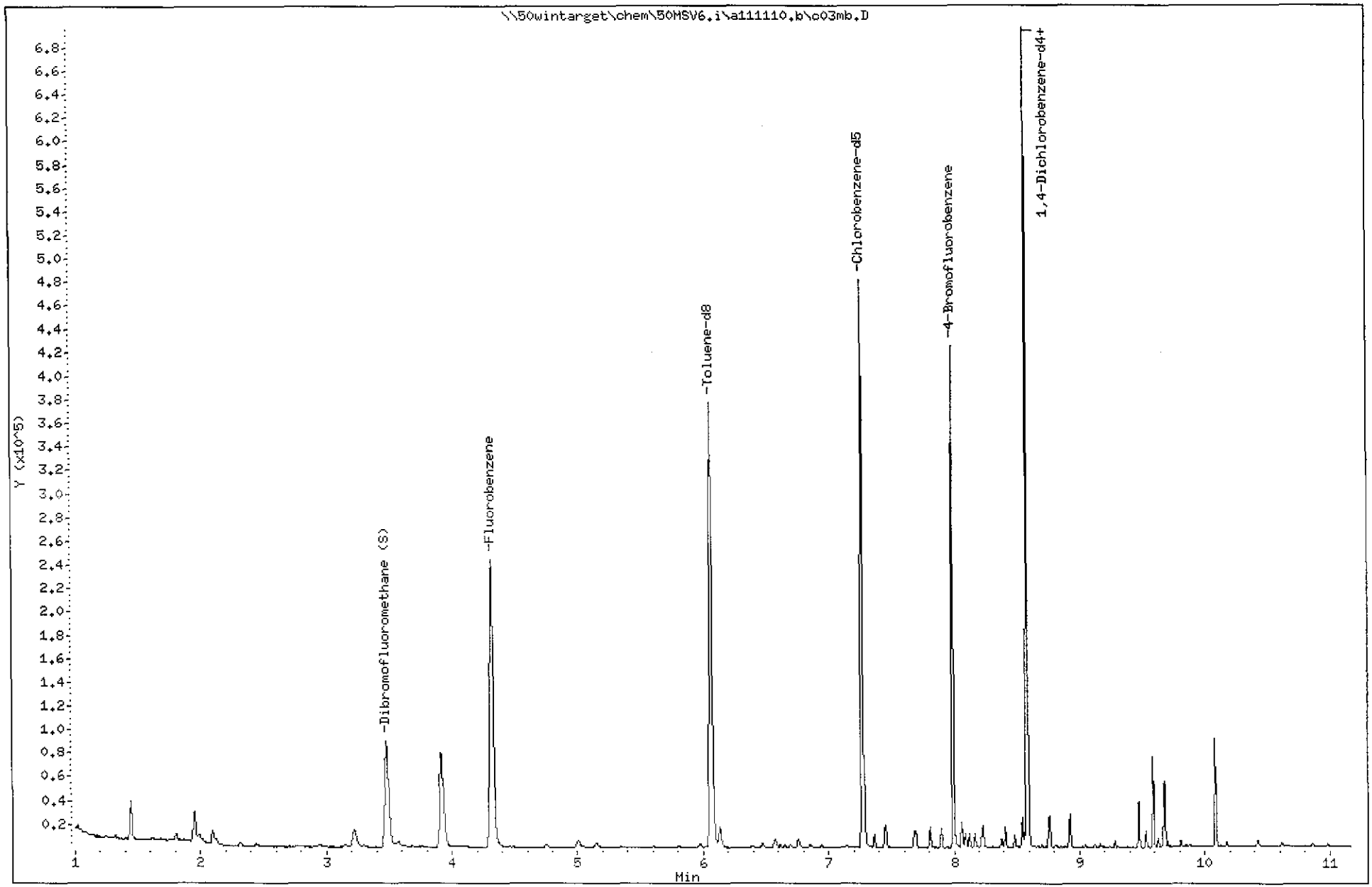
Client Name:
Lab Smp Id: mb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	4.64	
124-48-1	Dibromochloromethane	0.0530	
100-41-4	Ethylbenzene	0.206	
7816-60-0	m&p-Xylene	0.540	
95-47-6	o-Xylene	0.264	
100-42-5	Styrene	0.299	
108-86-1	Bromobenzene	0.362	
103-65-1	n-Propylbenzene	0.225	
95-49-8	2-Chlorotoluene	0.248	
108-67-8	1,3,5-Trimethylbenzene	0.195	
106-43-4	4-Chlorotoluene	0.224	
95-63-6	1,2,4-Trimethylbenzene	0.290	
541-73-1	1,3-Dichlorobenzene	0.501	
106-46-7	1,4-Dichlorobenzene	0.632	
104-51-8	n-Butylbenzene	0.329	
95-50-1	1,2-Dichlorobenzene	0.461	
120-82-1	1,2,4-Trichlorobenzene	0.815	
87-61-6	1,2,3-Trichlorobenzene	0.878	
1868-53-7	Dibromofluoromethane (S)	48.2	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	47.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c03mb.D
Date : 12-NOV-2010 02:46
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c03mb.D

Date : 12-NOV-2010 02:46

Client ID: mb

Instrument: 50MSV6.i

Sample Info: mb

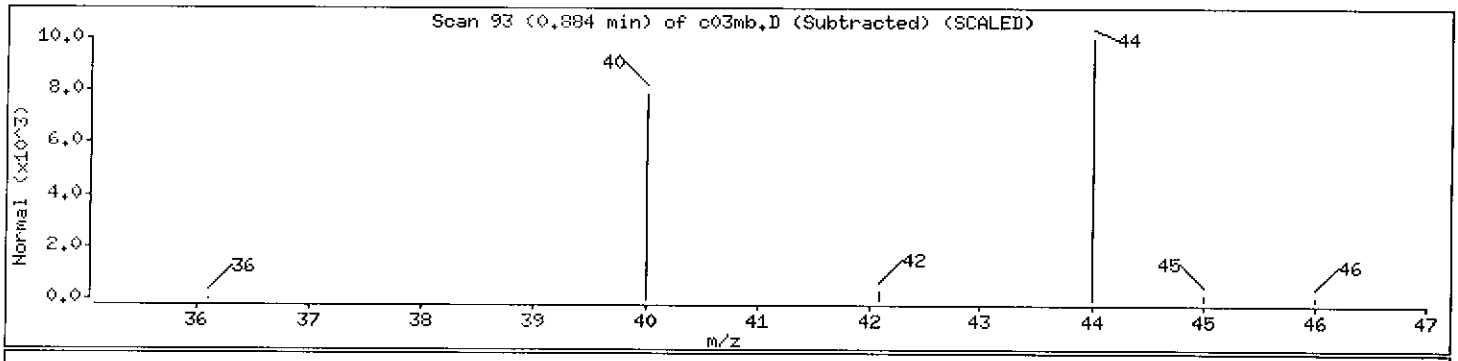
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111210.b\a03mb.D
Lab Smp Id: 507778 Client Smp ID: mb
Inj Date : 12-NOV-2010 15:39
Operator : jlf Inst ID: 50MSV6.i
Smp Info : mb 34B-008
Misc Info : 28221
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Meth Date : 15-Nov-2010 10:17 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	2 Chloromethane	50	1.040	1.039	(0.241)	4391	1.04866	1.05
	19 Acrylonitrile	53	2.100	2.098	(0.486)	9678	6.06005	6.06
	32 Chloroform	83	3.309	3.302	(0.766)	2933	0.32450	0.324
$	33 Dibromofluoromethane (S)	113	3.485	3.484	(0.807)	57060	47.0179	47.0
*	41 Fluorobenzene	96	4.320	4.318	(1.000)	236722	50.0000	
	42 Trichloroethene	95	4.748	4.746	(1.099)	2177	0.41031	0.410
$	51 Toluene-d8	98	6.064	6.068	(0.834)	214130	49.7247	49.7
	56 Tetrachloroethene	166	6.615	6.613	(0.910)	10873	1.95516	1.96
	59 Dibromochloromethane	129	6.866	6.865	(0.944)	410	0.10062	0.101
*	61 Chlorobenzene-d5	117	7.273	7.271	(1.000)	158675	50.0000	
	62 Chlorobenzene	112	7.289	7.293	(1.002)	4057	0.34246	0.342
	64 Ethylbenzene	106	7.364	7.362	(1.013)	1721	0.28945	0.289
	65 m&p-Xylene	106	7.449	7.453	(1.024)	4836	0.66084	0.661
	67 o-Xylene	106	7.679	7.683	(1.056)	2518	0.33313	0.333
	68 Styrene	104	7.695	7.694	(1.058)	5593	0.45914	0.459
	70 Isopropylbenzene	105	7.899	7.897	(1.086)	4515	0.23503	0.235
$	72 4-Bromofluorobenzene	95	7.995	7.993	(1.099)	73951	47.2182	47.2
	74 Bromobenzene	77	8.065	8.063	(1.109)	3653	0.49351	0.494
	76 n-Propylbenzene	91	8.123	8.122	(0.946)	7666	0.34616	0.346
	77 2-Chlorotoluene	91	8.166	8.165	(0.951)	4748	0.34578	0.346
	78 1,3,5-Trimethylbenzene	105	8.220	8.218	(0.958)	4339	0.26058	0.260
	79 4-Chlorotoluene	126	8.166	8.165	(0.951)	1471	0.32089	0.321
	81 1,2,4-Trimethylbenzene	105	8.407	8.405	(0.979)	6757	0.39594	0.396

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	
82	sec-Butylbenzene	105	8.487	8.486	(0.989)	5746	0.26443	0.264	
83	1,3-Dichlorobenzene	146	8.546	8.544	(0.996)	5957	0.63506	0.635	
* 85	1,4-Dichlorobenzene-d4	152	8.583	8.582	(1.000)	88284	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.594	8.598	(1.001)	7529	0.78788	0.788	
87	n-Butylbenzene	91	8.755	8.753	(1.020)	8433	0.50870	0.509	
88	1,2-Dichlorobenzene	146	8.760	8.764	(1.021)	5374	0.59224	0.592	
90	1,2,4-Trichlorobenzene	180	9.477	9.475	(1.104)	8066	1.03993	1.04	
91	Hexachlorobutadiene	225	9.530	9.529	(1.110)	1843	0.42565	0.426	
93	1,2,3-Trichlorobenzene	180	9.680	9.679	(1.128)	7564	1.04441	1.04	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a03mb.D
Lab Smp Id: 507778
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28221

Calibration Date: 12-NOV-2010
Calibration Time: 14:25
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	221037	110519	442074	236722	7.10
61 Chlorobenzene-d5	150814	75407	301628	158675	5.21
85 1,4-Dichlorobenze	77535	38768	155070	88284	13.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.04
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.02
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111210.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 507778
Client Smp ID: mb
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: BLANK
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28221

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	47.0	94.04	80-123
$ 51 Toluene-d8	50.0	49.7	99.45	80-116
$ 72 4-Bromofluorobenze	50.0	47.2	94.44	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

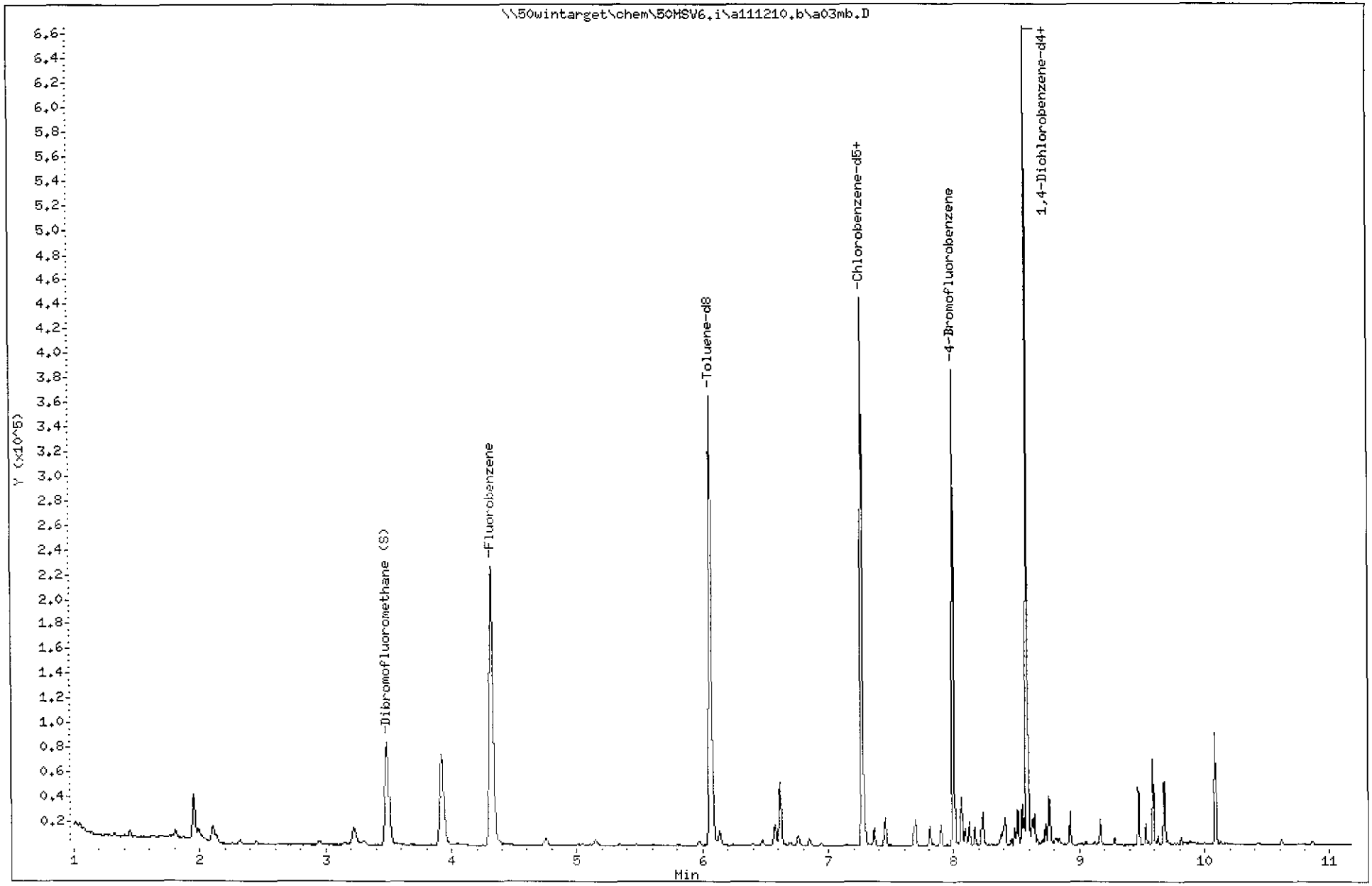
Client Name:
Lab Smp Id: 507778
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28221

Client SDG: a111210.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-87-3	Chloromethane	1.05	
107-13-1	Acrylonitrile	6.06	
67-66-3	Chloroform	0.324	
79-01-6	Trichloroethene	0.410	
127-18-4	Tetrachloroethene	1.96	
124-48-1	Dibromochloromethane	0.101	
108-90-7	Chlorobenzene	0.342	
100-41-4	Ethylbenzene	0.289	
7816-60-0	m&p-Xylene	0.661	
95-47-6	o-Xylene	0.333	
100-42-5	Styrene	0.459	
98-82-8	Isopropylbenzene	0.235	
108-86-1	Bromobenzene	0.494	
103-65-1	n-Propylbenzene	0.346	
95-49-8	2-Chlorotoluene	0.346	
108-67-8	1,3,5-Trimethylbenzene	0.260	
106-43-4	4-Chlorotoluene	0.321	
95-63-6	1,2,4-Trimethylbenzene	0.396	
135-98-8	sec-Butylbenzene	0.264	
541-73-1	1,3-Dichlorobenzene	0.635	
106-46-7	1,4-Dichlorobenzene	0.788	
104-51-8	n-Butylbenzene	0.509	
95-50-1	1,2-Dichlorobenzene	0.592	
120-82-1	1,2,4-Trichlorobenzene	1.04	
87-68-3	Hexachlorobutadiene	0.426	
87-61-6	1,2,3-Trichlorobenzene	1.04	
1868-53-7	Dibromofluoromethane (S)	47.0	
2037-26-5	Toluene-d8	49.7	
460-00-4	4-Bromofluorobenzene	47.2	

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a03mb.D
Date : 12-NOV-2010 15:39
Client ID: mb
Sample Info: mb 34B-008
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a03mb.D

Date : 12-NOV-2010 15:39

Client ID: mb

Instrument: 50MSV6.i

Sample Info: mb 34B-008

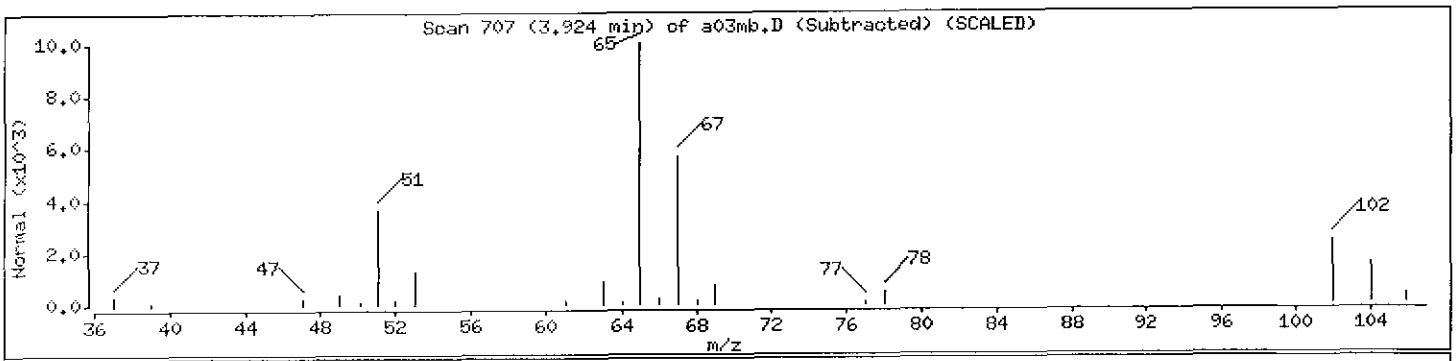
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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VOA 8260B
GC/MS Volatiles

Section 6: Client Sample Data

**** Client Sample Raw Data***
**** Dilutions or Reruns of Client Samples***
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a05.D
Lab Smp Id: 5043009001 Client Smp ID: 5043009001
Inj Date : 11-NOV-2010 15:32
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009001
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	5835	1.13990	1.14	
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58782	48.9438	48.9	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	234270	50.0000		
	42 Trichloroethene	95	4.746	4.746	(1.099)	1353	0.25768	0.258	
$	51 Toluene-d8	98	6.068	6.068	(0.834)	204070	50.9381	50.9	
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	4553	0.88004	0.880	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	147618	50.0000		
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	69568	47.7468	47.7	
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	3233	0.19655	0.196	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	85092	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a05.D
Lab Smp Id: 5043009001
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009001
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	234270	-1.30
61 Chlorobenzene-d5	157497	78749	314994	147618	-6.27
85 1,4-Dichlorobenze	79662	39831	159324	85092	6.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009001
Client Smp ID: 5043009001
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.9	97.89	80-123
$ 51 Toluene-d8	50.0	50.9	101.88	80-116
$ 72 4-Bromofluorobenze	50.0	47.7	95.49	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

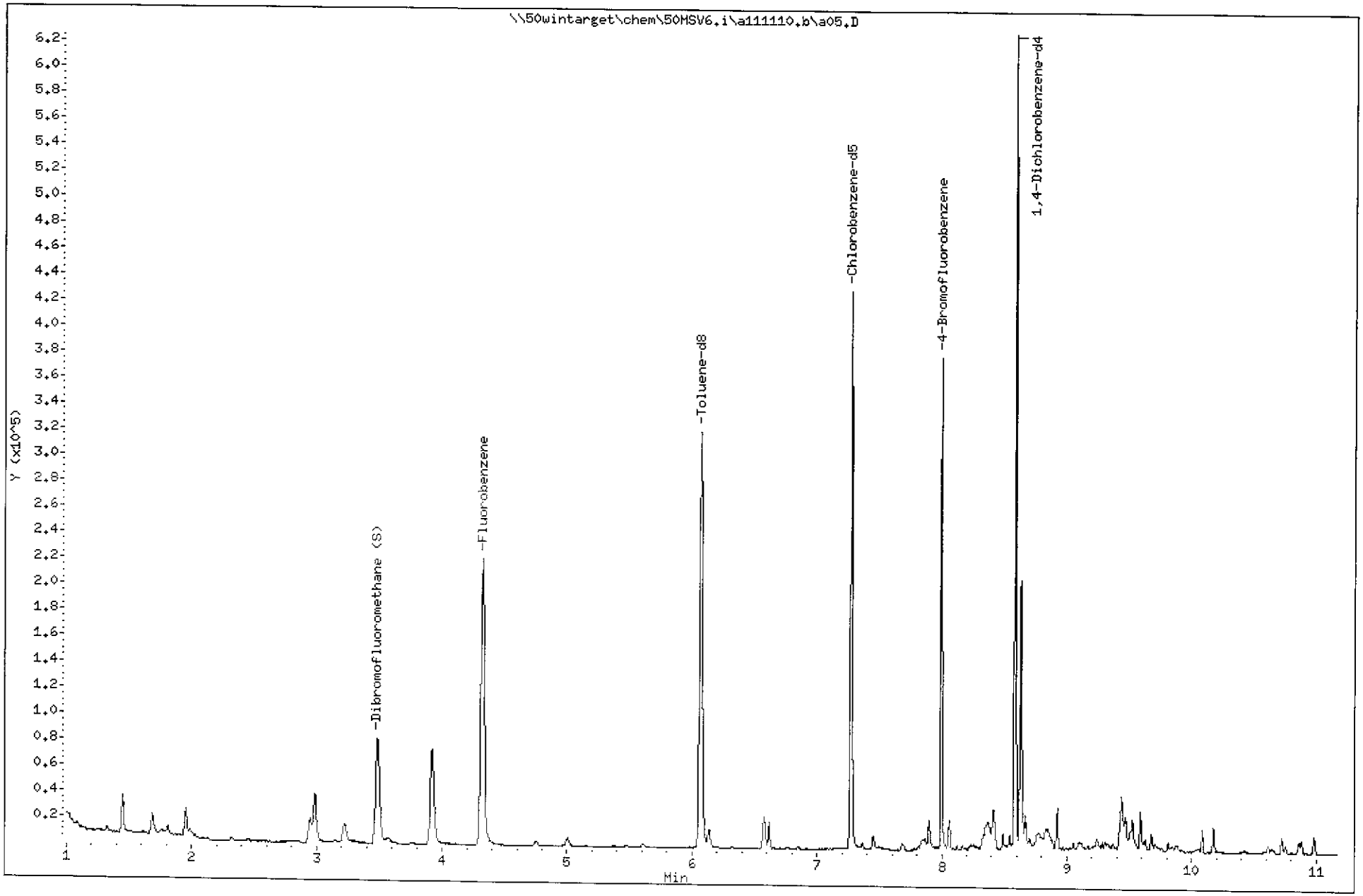
Client Name:
Lab Smp Id: 5043009001
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	1.14	
79-01-6	Trichloroethene	0.258	
127-18-4	Tetrachloroethene	0.880	
95-63-6	1,2,4-Trimethylbenzene	0.196	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	50.9	
460-00-4	4-Bromofluorobenzene	47.7	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a05.D
Date : 11-NOV-2010 15:32
Client ID: 5043009001
Sample Info: 5043009001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a05.D

Date : 11-NOV-2010 15:32

Client ID: 5043009001

Instrument: 50MSV6.i

Sample Info: 5043009001

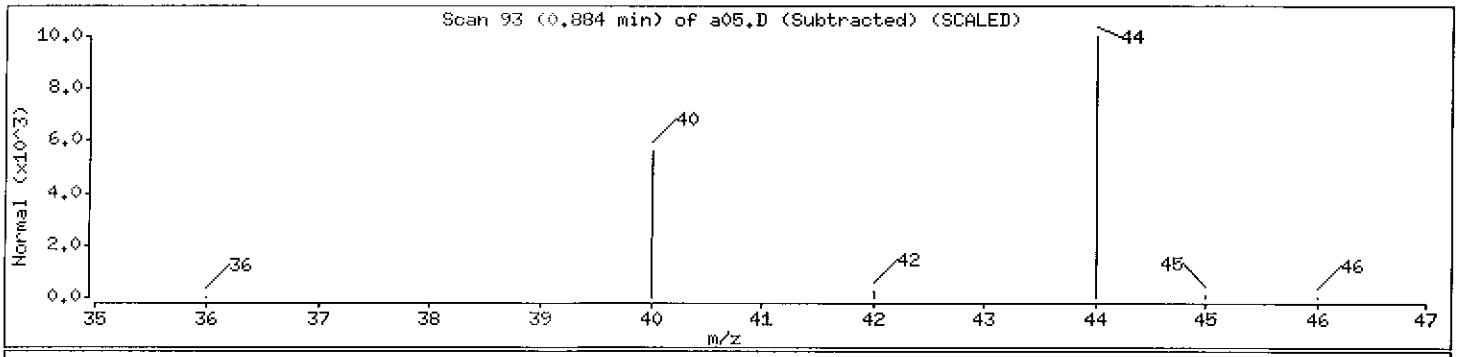
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a06.D
Lab Smp Id: 5043009002 Client Smp ID: 5043009002
Inj Date : 11-NOV-2010 16:09
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009002
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT STC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59263	47.9315	47.9
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	241175	50.0000	
$	51 Toluene-d8	98	6.068	6.068	(0.834)	213483	50.3278	50.3
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	156300	50.0000	
	65 m&p-Xylene	106	7.448	7.453	(1.024)	2231	0.30950	0.310
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	73870	47.8832	47.9
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	3949	0.22978	0.230
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	88907	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a06.D
Lab Smp Id: 5043009002
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009002
Level: LOW
Sample Type: WATER
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	241175	1.61
61 Chlorobenzene-d5	157497	78749	314994	156300	-0.76
85 1,4-Dichlorobenze	79662	39831	159324	88907	11.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009002
Client Smp ID: 5043009002
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	47.9	95.86	80-123
$ 51 Toluene-d8	50.0	50.3	100.66	80-116
$ 72 4-Bromofluorobenze	50.0	47.9	95.77	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

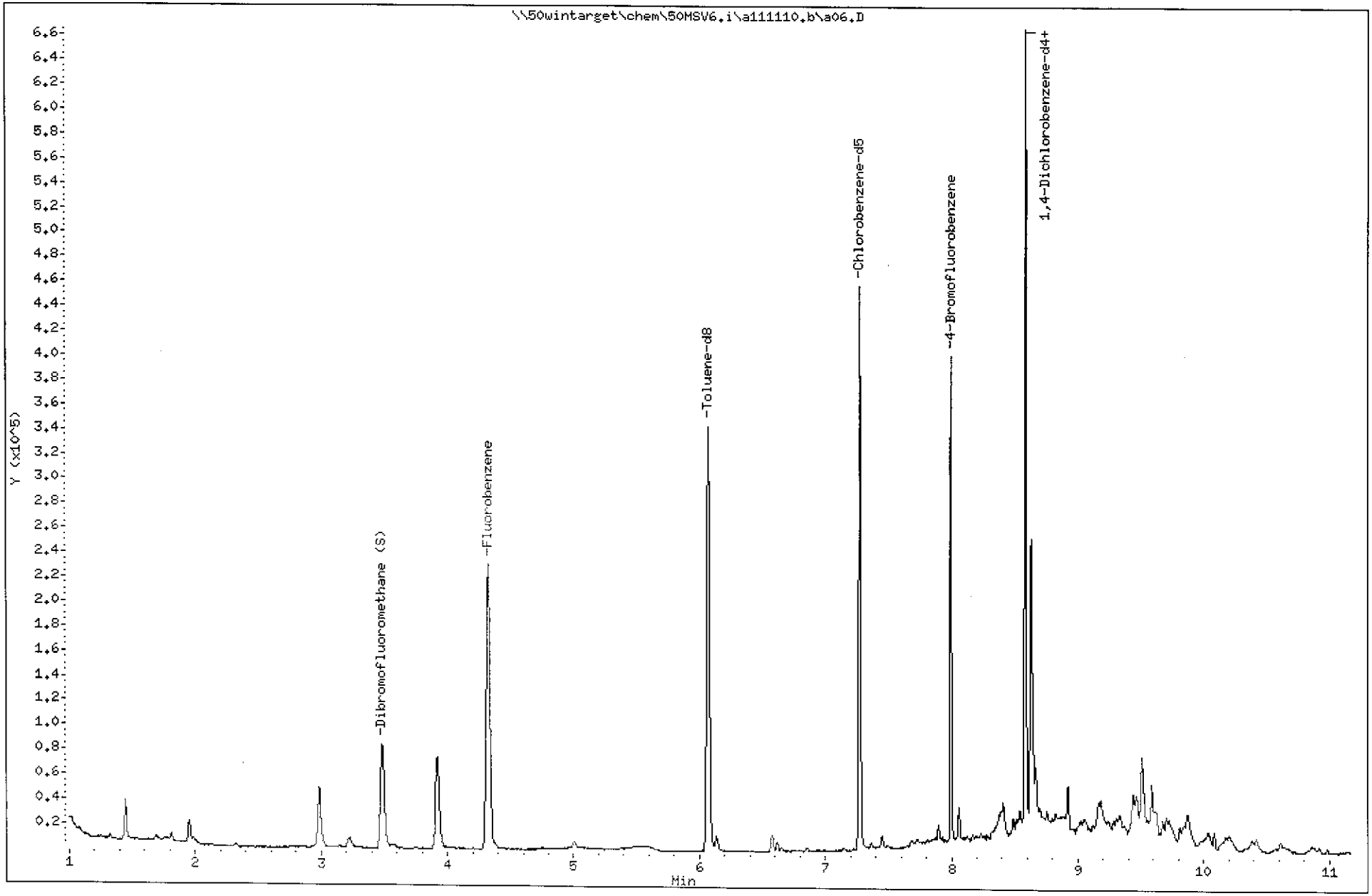
Client Name:
Lab Smp Id: 5043009002
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009002
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
7816-60-0	m&p-Xylene	0.310	
95-63-6	1,2,4-Trimethylbenzene	0.230	
1868-53-7	Dibromofluoromethane (S)	47.9	
2037-26-5	Toluene-d8	50.3	
460-00-4	4-Bromofluorobenzene	47.9	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a06.D
Date : 11-NOV-2010 16:09
Client ID: 5043009002
Sample Info: 5043009002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a06.D

Date : 11-NOV-2010 16:09

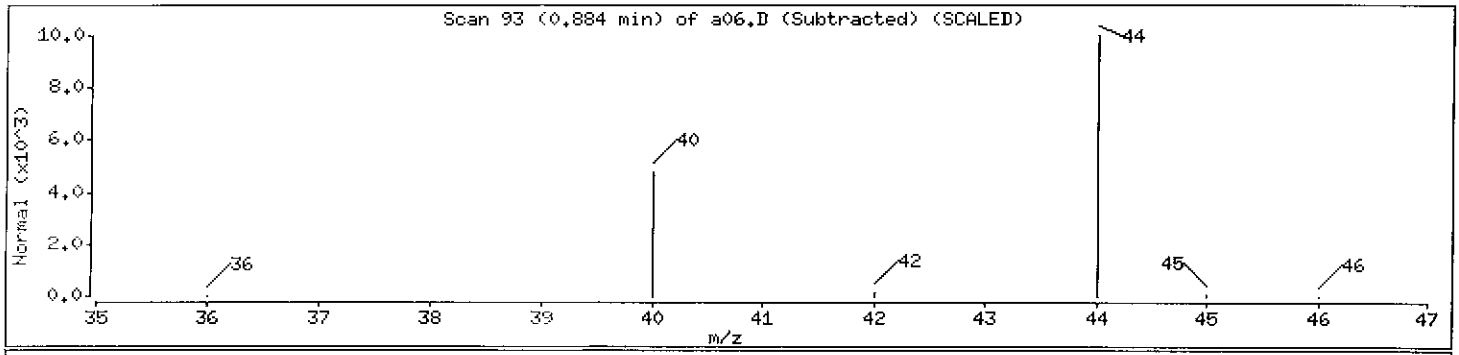
Client ID: 5043009002 Instrument: 50MSV6.i

Sample Info: 5043009002

Purge Volume: 5.0 Operator: jlf

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a07.D
Lab Smp Id: 5043009003 Client Smp ID: 5043009003
Inj Date : 11-NOV-2010 16:47
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009003
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58699	49.0930	49.1
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	233228	50.0000	
$ 51 Toluene-d8	98	6.068	6.068	(0.834)	198194	50.1416	50.1
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	145645	50.0000	
$ 72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	78703	54.7482	54.7
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	84424	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a07.D
Lab Smp Id: 5043009003
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009003
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	233228	-1.74
61 Chlorobenzene-d5	157497	78749	314994	145645	-7.53
85 1,4-Dichlorobenze	79662	39831	159324	84424	5.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009003 Client Smp ID: 5043009003
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.1	98.19	80-123
$ 51 Toluene-d8	50.0	50.1	100.28	80-116
$ 72 4-Bromofluorobenze	50.0	54.7	109.50	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

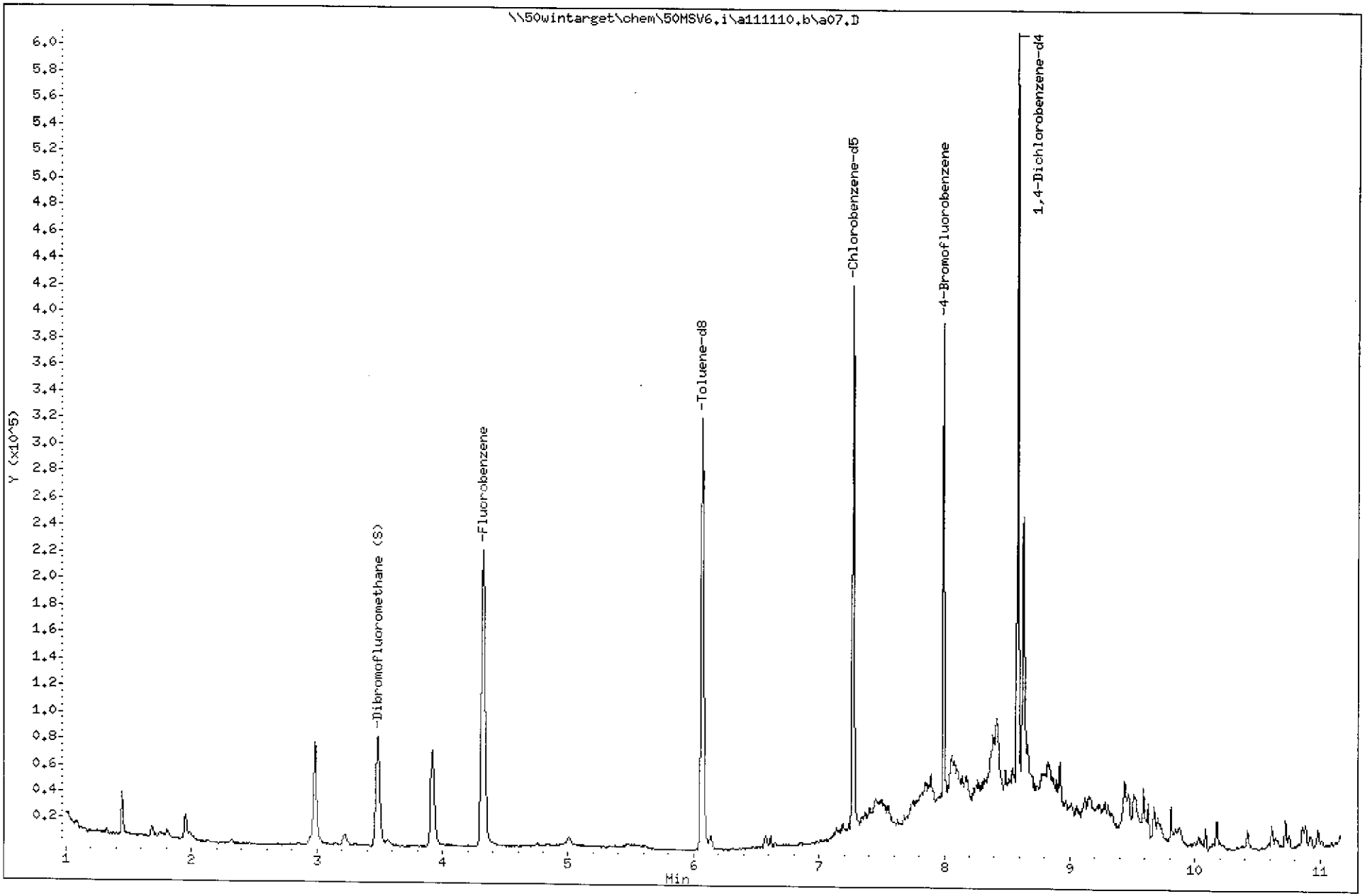
Client Name:
Lab Smp Id: 5043009003
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	49.1	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	54.7	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a07.D
Date : 11-NOV-2010 16:47
Client ID: 5043009003
Sample Info: 5043009003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a07.D

Date : 11-NOV-2010 16:47

Client ID: 5043009003

Instrument: 50MSV6.i

Sample Info: 5043009003

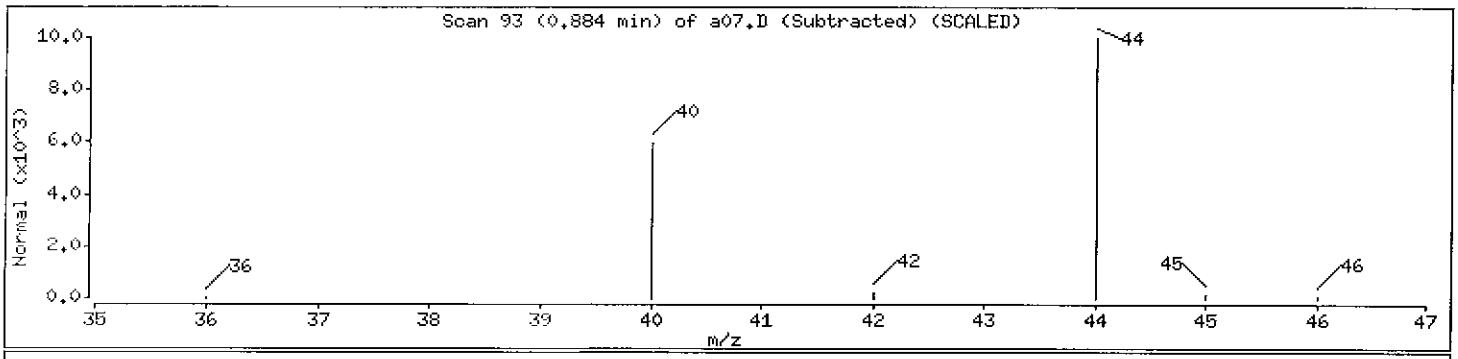
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a08.D
Lab Smp Id: 5043009004 Client Smp ID: 5043009004
Inj Date : 11-NOV-2010 17:24
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009004
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
$ 33 Dibromofluoromethane (S)	113	3.489	3.484	(0.808)	59976	48.0070	48.0	
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	243693	50.0000		
$ 51 Toluene-d8	98	6.068	6.068	(0.834)	213494	51.0303	51.0	
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	154156	50.0000		
$ 72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	73349	48.2068	48.2	
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	88612	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a08.D
Lab Smp Id: 5043009004
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009004
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	243693	2.67
61 Chlorobenzene-d5	157497	78749	314994	154156	-2.12
85 1,4-Dichlorobenze	79662	39831	159324	88612	11.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009004 Client Smp ID: 5043009004
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.0	96.01	80-123
$ 51 Toluene-d8	50.0	51.0	102.06	80-116
$ 72 4-Bromofluorobenze	50.0	48.2	96.41	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

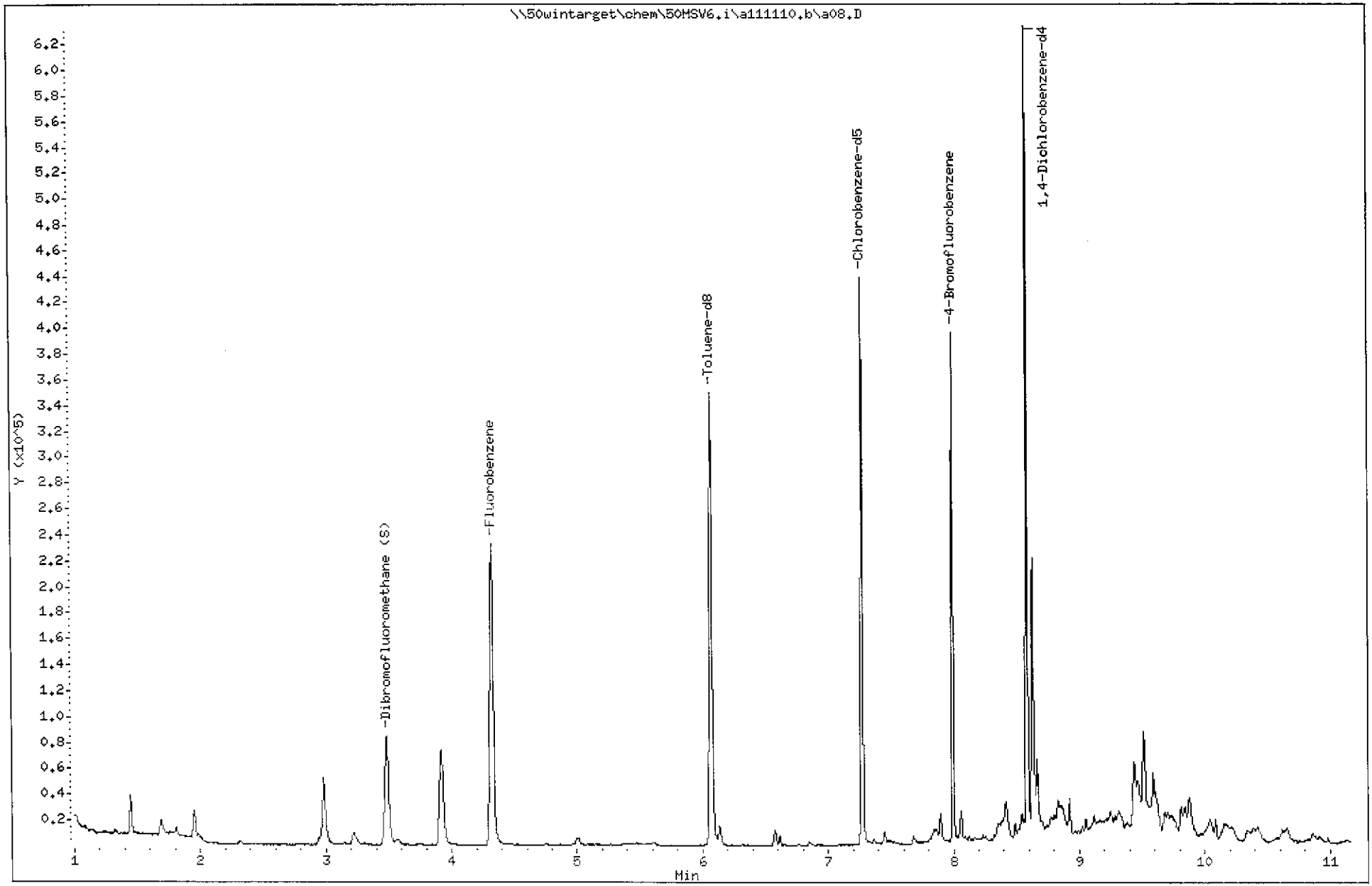
Client Name:
Lab Smp Id: 5043009004
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009004
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	48.0	
2037-26-5	Toluene-d8	51.0	
460-00-4	4-Bromofluorobenzene	48.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a08.D
Date : 11-NOV-2010 17:24
Client ID: 5043009004
Sample Info: 5043009004
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a08.D

Date : 11-NOV-2010 17:24

Client ID: 5043009004

Instrument: 50MSV6.i

Sample Info: 5043009004

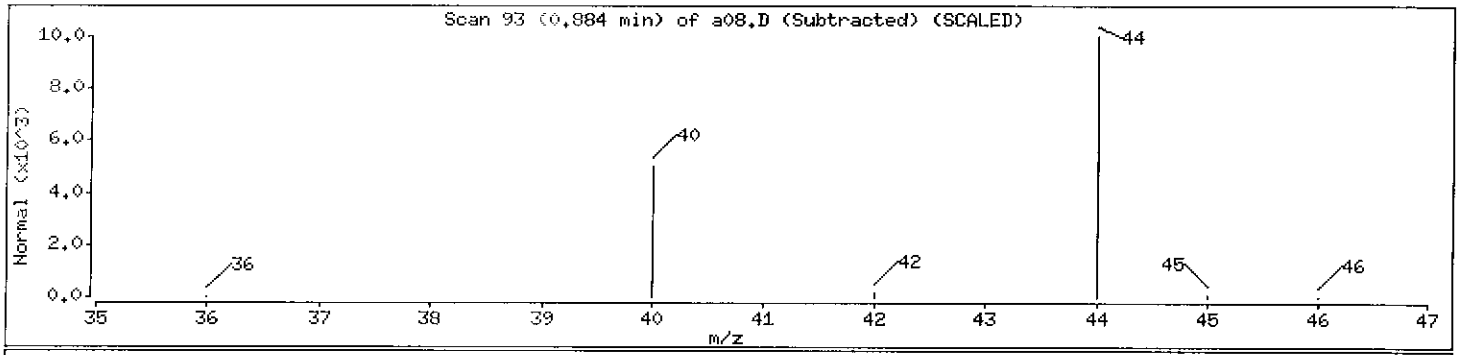
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a09.D
Lab Smp Id: 5043009005 Client Smp ID: 5043009005
Inj Date : 11-NOV-2010 18:02
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009005
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.686	1.686	(0.391)	22142	0.18722	0.187
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	61869	48.7526	48.8
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	247540	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	5647	1.01781	1.02
$	51 Toluene-d8	98	6.068	6.068	(0.834)	218327	50.3796	50.4
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	159682	50.0000	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	74134	47.0366	47.0
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	90544	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a09.D
Lab Smp Id: 5043009005
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009005
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	247540	4.29
61 Chlorobenzene-d5	157497	78749	314994	159682	1.39
85 1,4-Dichlorobenze	79662	39831	159324	90544	13.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009005 Client Smp ID: 5043009005
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.8	97.51	80-123
$ 51 Toluene-d8	50.0	50.4	100.76	80-116
$ 72 4-Bromofluorobenze	50.0	47.0	94.07	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

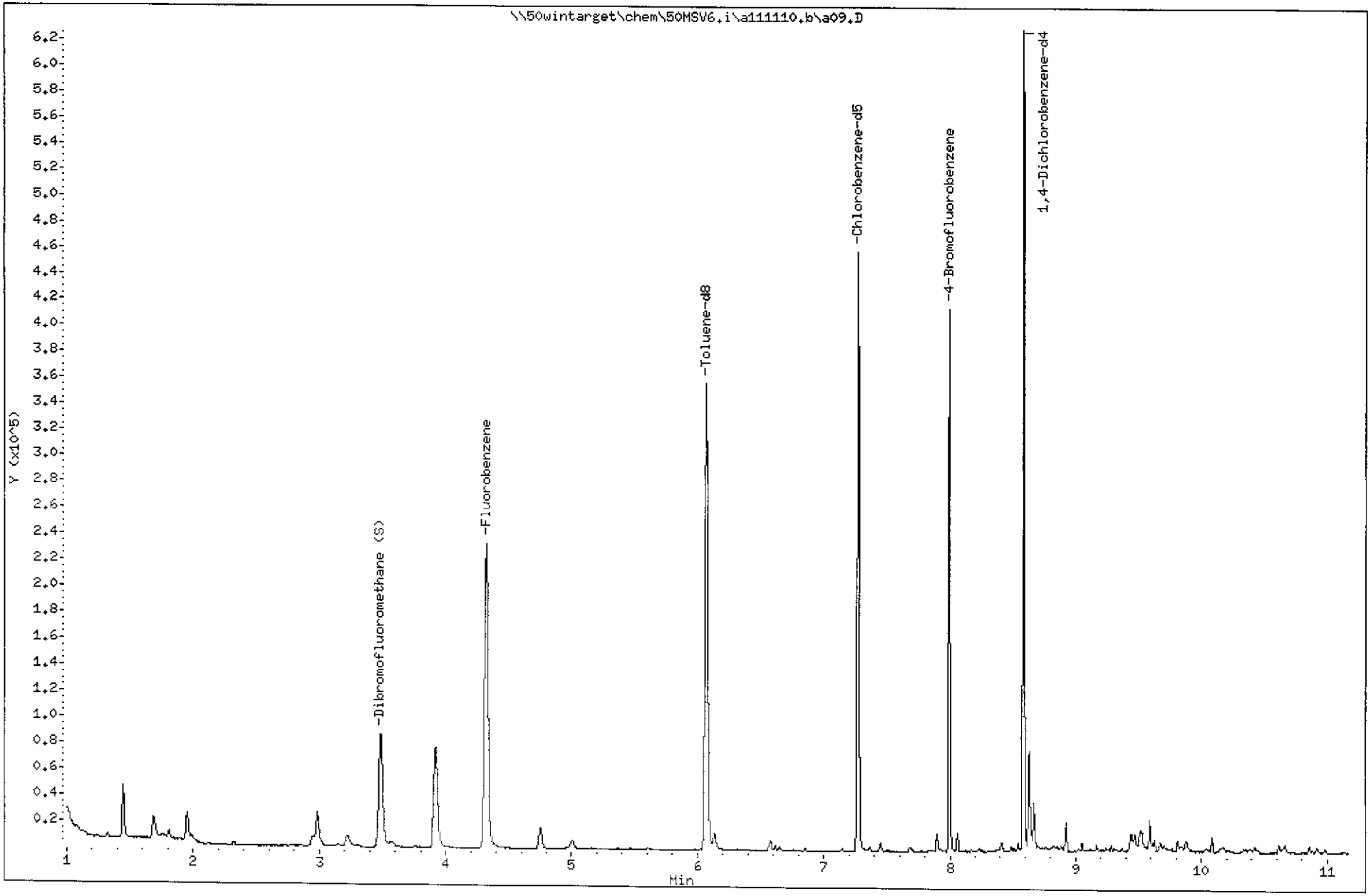
Client Name:
Lab Smp Id: 5043009005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
67-64-1	Acetone	0.187	
79-01-6	Trichloroethene	1.02	
1868-53-7	Dibromofluoromethane (S)	48.8	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	47.0	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a09.D
Date : 11-NOV-2010 18:02
Client ID: 5043009005
Sample Info: 5043009005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a09.D

Date : 11-NOV-2010 18:02

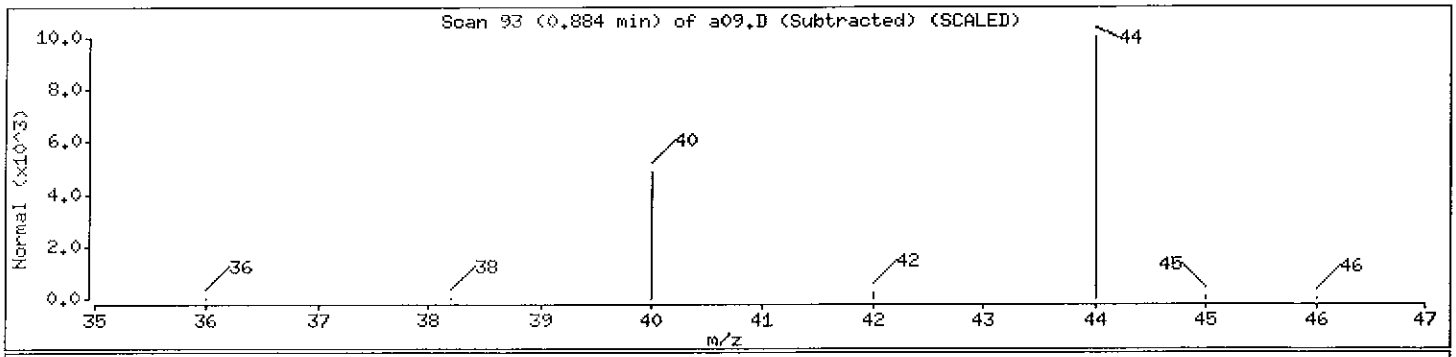
Client ID: 5043009005 Instrument: 50MSV6.i

Sample Info: 5043009005

Purge Volume: 5.0 Operator: jlf

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a12.D
Lab Smp Id: 5043009006 Client Smp ID: 5043009006
Inj Date : 11-NOV-2010 19:54
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009006
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	19	Acrylonitrile	53	2.093	2.098	(0.485)	2149	1.32468	1.32
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	60278	48.8960	48.9
	141	2,2,4-Trimethylpentane	57	4.104	4.099	(0.950)	1233	0.06665	0.0666 (M)
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	240467	50.0000	
$	51	Toluene-d8	98	6.068	6.068	(0.834)	202800	50.7732	50.8
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	147176	50.0000	
	65	m&p-Xylene	106	7.448	7.453	(1.024)	2223	0.32751	0.328
$	72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	69157	47.6073	47.6
	81	1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	3187	0.19186	0.192
*	85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	85933	50.0000	(Q)
	86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	2017	0.21684	0.217 (Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a12.D
Lab Smp Id: 5043009006
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009006
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	240467	1.31
61 Chlorobenzene-d5	157497	78749	314994	147176	-6.55
85 1,4-Dichlorobenze	79662	39831	159324	85933	7.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009006
Client Smp ID: 5043009006
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.9	97.79	80-123
$ 51 Toluene-d8	50.0	50.8	101.55	80-116
$ 72 4-Bromofluorobenze	50.0	47.6	95.21	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009006
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

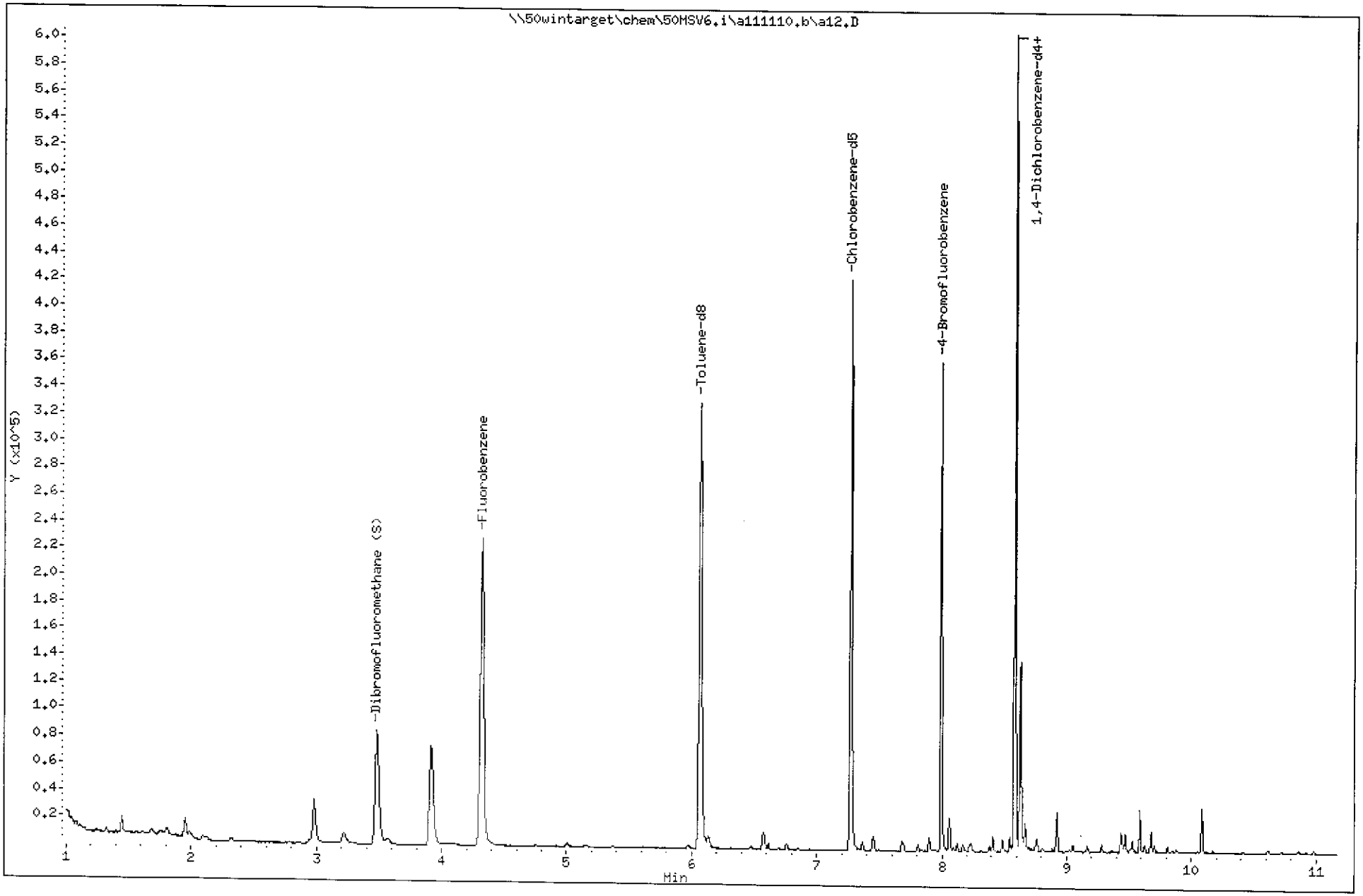
Client SDG: a111110.b
Client Smp ID: 5043009006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	1.32	
540-84-1	2,2,4-Trimethylpentane	0.0666	
7816-60-0	m&p-Xylene	0.328	
95-63-6	1,2,4-Trimethylbenzene	0.192	
106-46-7	1,4-Dichlorobenzene	0.217	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	50.8	
460-00-4	4-Bromofluorobenzene	47.6	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a12.D
Date : 11-NOV-2010 19:54
Client ID: 5043009006
Sample Info: 5043009006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a12.D

Date : 11-NOV-2010 19:54

Client ID: 5043009006

Instrument: 50MSV6.i

Sample Info: 5043009006

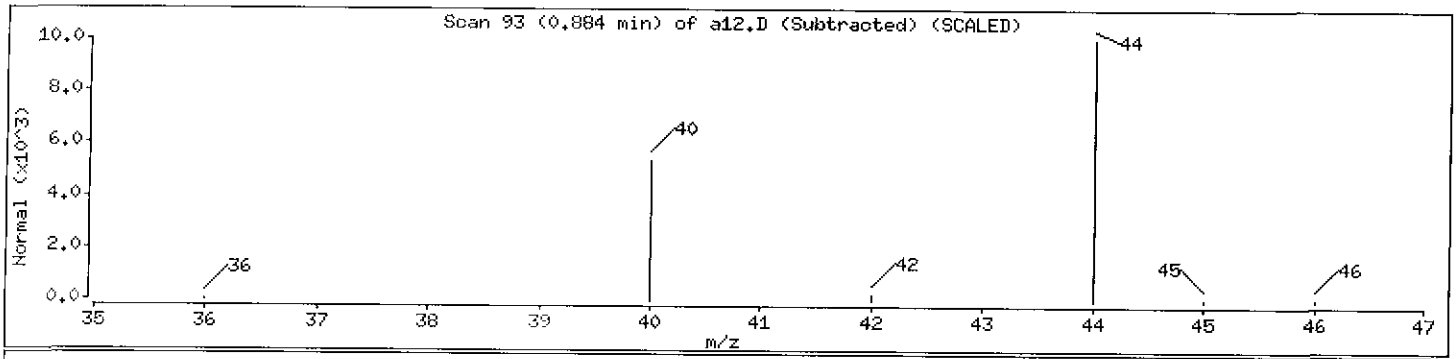
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a13.D
Lab Smp Id: 5043009007 Client Smp ID: 5043009007
Inj Date : 11-NOV-2010 20:32
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009007
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	7707	2.68876	2.69
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	2535	0.46665	0.467
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	62668	49.1683	49.2
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	248617	50.0000	
$	51 Toluene-d8	98	6.068	6.068	(0.834)	214734	50.4716	50.5
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	2042	0.37166	0.372
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	156768	50.0000	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	71031	45.9055	45.9
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	88864	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a13.D
Lab Smp Id: 5043009007
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009007
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	248617	4.74
61 Chlorobenzene-d5	157497	78749	314994	156768	-0.46
85 1,4-Dichlorobenze	79662	39831	159324	88864	11.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009007 Client Smp ID: 5043009007
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.2	98.34	80-123
$ 51 Toluene-d8	50.0	50.5	100.94	80-116
$ 72 4-Bromofluorobenze	50.0	45.9	91.81	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

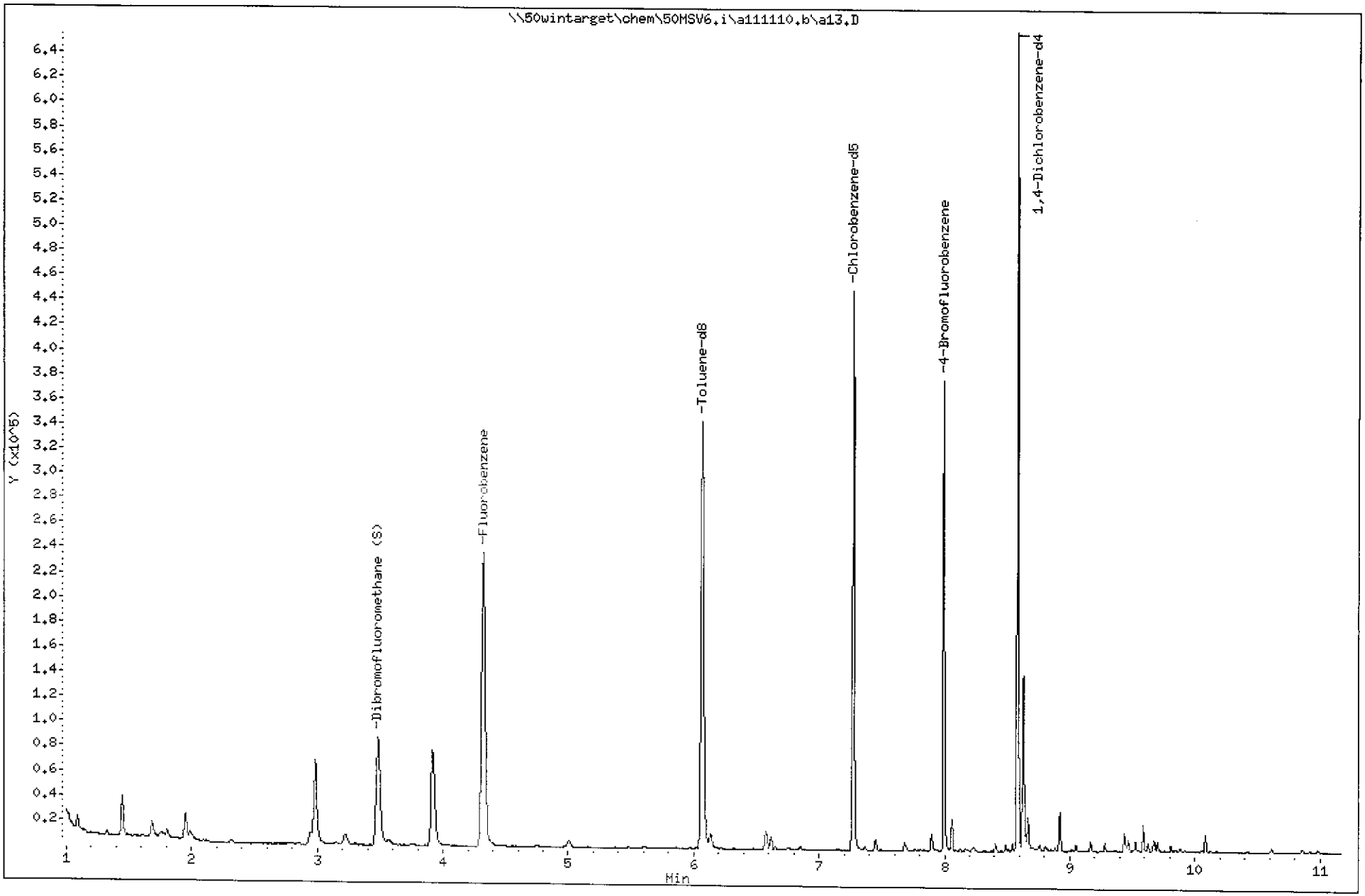
Client Name:
Lab Smp Id: 5043009007
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	2.69	
156-59-2	1,2-Dichloroethene (cis)	0.467	
127-18-4	Tetrachloroethene	0.372	
1868-53-7	Dibromofluoromethane (S)	49.2	
2037-26-5	Toluene-d8	50.5	
460-00-4	4-Bromofluorobenzene	45.9	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a13.D
Date : 11-NOV-2010 20:32
Client ID: 5043009007
Sample Info: 5043009007
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a13.D

Date : 11-NOV-2010 20:32

Client ID: 5043009007

Instrument: 50MSV6.i

Sample Info: 5043009007

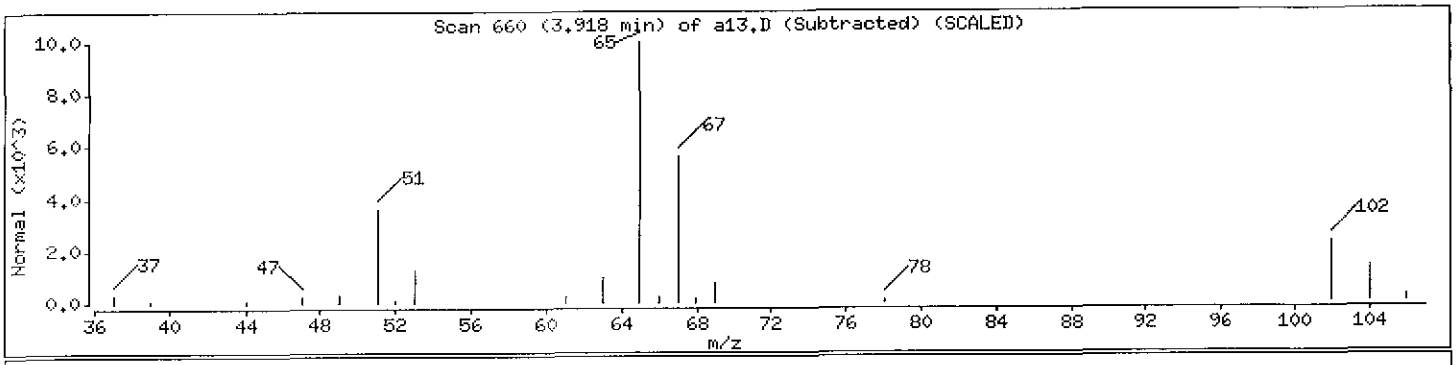
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a14.D
Lab Smp Id: 5043009008 Client Smp ID: 5043009008
Inj Date : 11-NOV-2010 21:09
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009008
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.489	3.484	(0.808)	63091	48.4694	48.5
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	253904	50.0000	
$ 51 Toluene-d8	98	6.068	6.068	(0.834)	226821	50.1575	50.2
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	166629	50.0000	
$ 72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	76841	46.7215	46.7
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	91585	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a14.D
Lab Smp Id: 5043009008
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	253904	6.97
61 Chlorobenzene-d5	157497	78749	314994	166629	5.80
85 1,4-Dichlorobenze	79662	39831	159324	91585	14.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009008
Client Smp ID: 5043009008
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.5	96.94	80-123
$ 51 Toluene-d8	50.0	50.2	100.32	80-116
$ 72 4-Bromofluorobenze	50.0	46.7	93.44	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009008
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

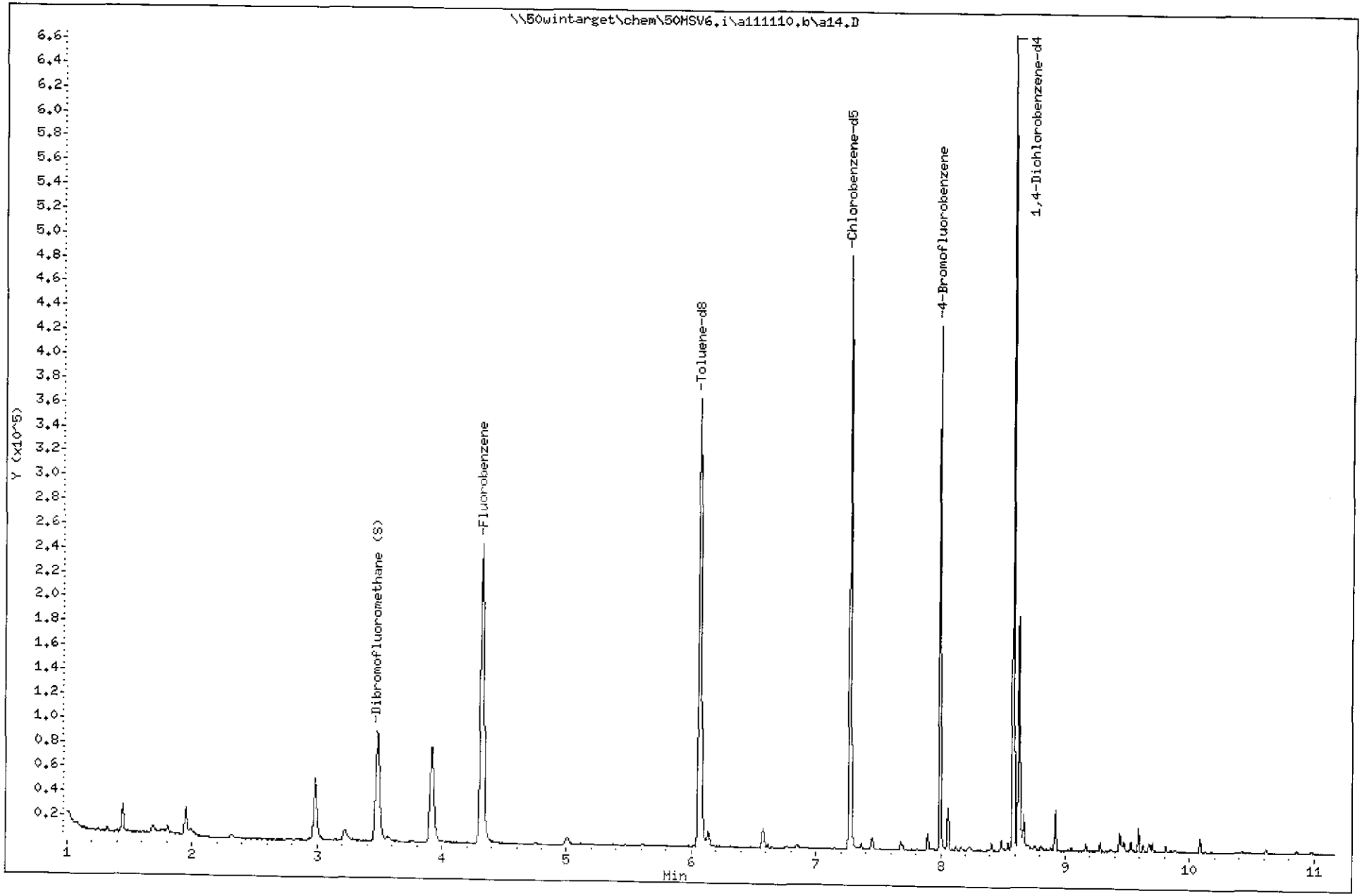
Client SDG: a111110.b
Client Smp ID: 5043009008
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	48.5	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	46.7	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a14.D
Date : 11-NOV-2010 21:09
Client ID: 5043009008
Sample Info: 5043009008
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a14.D

Date : 11-NOV-2010 21:09

Client ID: 5043009008

Instrument: 50MSV6.i

Sample Info: 5043009008

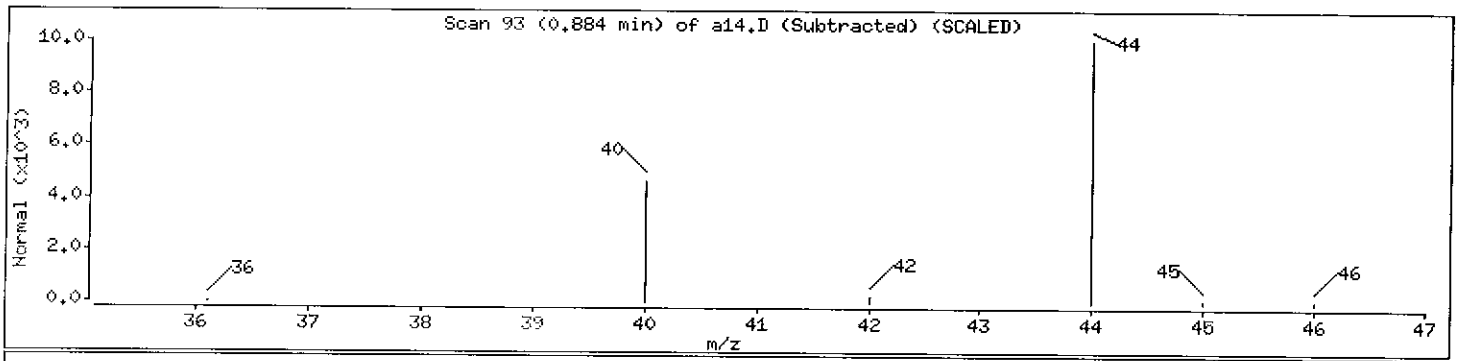
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a15.D
Lab Smp Id: 5043009009 Client Smp ID: 5043009009
Inj Date : 11-NOV-2010 21:46
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009009
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	19 Acrylonitrile	53	2.098	2.098	(0.486)	5918	3.62379	3.62	
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59929	48.2910	48.3	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	242070	50.0000		
$	51 Toluene-d8	98	6.068	6.068	(0.834)	217254	49.8762	49.9	
*	61 Chlorobenzene-d5	117	7.272	7.271	(1.000)	160501	50.0000		
	65 m&p-Xylene	106	7.448	7.453	(1.024)	2266	0.30613	0.306	
	68 Styrene	104	7.694	7.694	(1.058)	2579	0.20931	0.209	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	73228	46.2247	46.2	
	74 Bromobenzene	77	8.063	8.063	(1.109)	2104	0.28101	0.281	
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	3544	0.20754	0.208	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	88340	50.0000		(Q)
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	3003	0.33073	0.331	
	90 1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	4592	0.59166	0.592	
	93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	4400	0.60715	0.607	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a15.D
Lab Smp Id: 5043009009
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009009
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	242070	1.98
61 Chlorobenzene-d5	157497	78749	314994	160501	1.91
85 1,4-Dichlorobenze	79662	39831	159324	88340	10.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009009
Client Smp ID: 5043009009
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.3	96.58	80-123
$ 51 Toluene-d8	50.0	49.9	99.75	80-116
$ 72 4-Bromofluorobenze	50.0	46.2	92.45	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

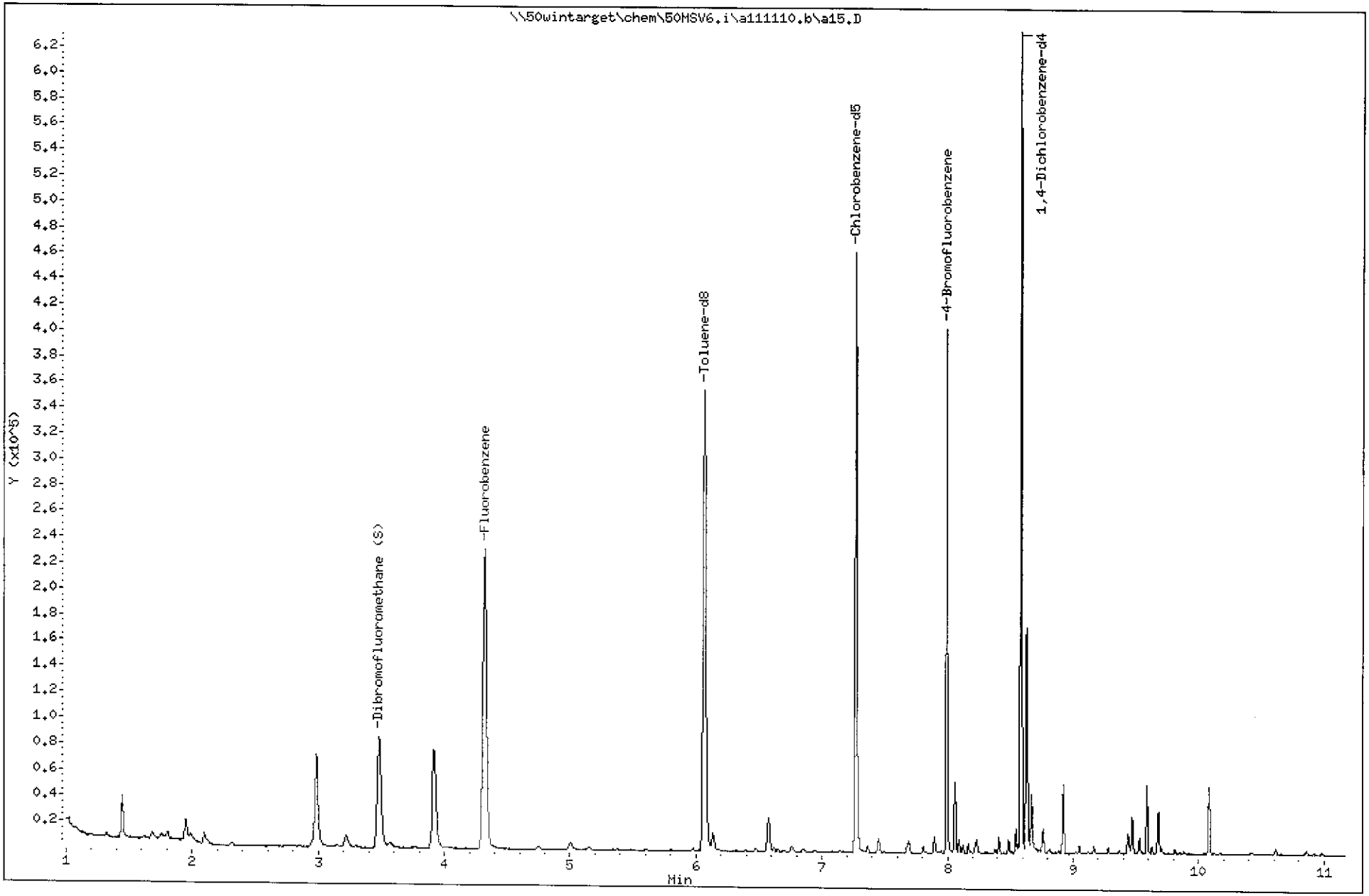
Client Name:
Lab Smp Id: 5043009009
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009009
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	3.62	
7816-60-0	m&p-Xylene	0.306	
100-42-5	Styrene	0.209	
108-86-1	Bromobenzene	0.281	
95-63-6	1,2,4-Trimethylbenzene	0.208	
95-50-1	1,2-Dichlorobenzene	0.331	
120-82-1	1,2,4-Trichlorobenzene	0.592	
87-61-6	1,2,3-Trichlorobenzene	0.607	
1868-53-7	Dibromofluoromethane (S)	48.3	
2037-26-5	Toluene-d8	49.9	
460-00-4	4-Bromofluorobenzene	46.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a15.D
Date : 11-NOV-2010 21:46
Client ID: 5043009009
Sample Info: 5043009009
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a15.D

Date : 11-NOV-2010 21:46

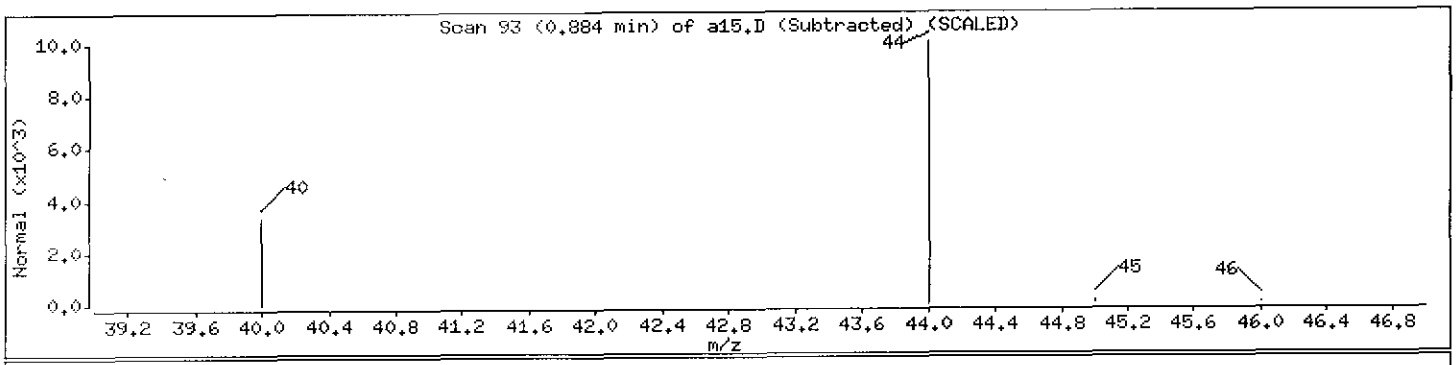
Client ID: 5043009009 Instrument: 50MSV6.i

Sample Info: 5043009009

Purge Volume: 5.0 Operator: jlf

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a16.D
Lab Smp Id: 5043009010 Client Smp ID: 5043009010
Inj Date : 11-NOV-2010 22:24
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009010
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	19 Acrylonitrile	53	2.093	2.098	(0.485)	6317	3.88905	3.89	
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59546	48.2420	48.2	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	240767	50.0000		
$	51 Toluene-d8	98	6.068	6.068	(0.834)	214929	49.6244	49.6	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	159589	50.0000		
	65 m&p-Xylene	106	7.448	7.453	(1.024)	2709	0.36807	0.368	
	68 Styrene	104	7.694	7.694	(1.058)	2735	0.22323	0.223	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	73257	46.5072	46.5	
	74 Bromobenzene	77	8.063	8.063	(1.109)	2245	0.30156	0.302	
	81 1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	3644	0.21485	0.215	
	83 1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	3300	0.35399	0.354	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	87739	50.0000		(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	4338	0.45677	0.457	
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	3105	0.34431	0.344	
	90 1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	4912	0.63723	0.637	
	93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	4900	0.68078	0.681	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a16.D
Lab Smp Id: 5043009010
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009010
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	240767	1.43
61 Chlorobenzene-d5	157497	78749	314994	159589	1.33
85 1,4-Dichlorobenze	79662	39831	159324	87739	10.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009010
Client Smp ID: 5043009010
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.2	96.48	80-123
$ 51 Toluene-d8	50.0	49.6	99.25	80-116
$ 72 4-Bromofluorobenze	50.0	46.5	93.01	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009010
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

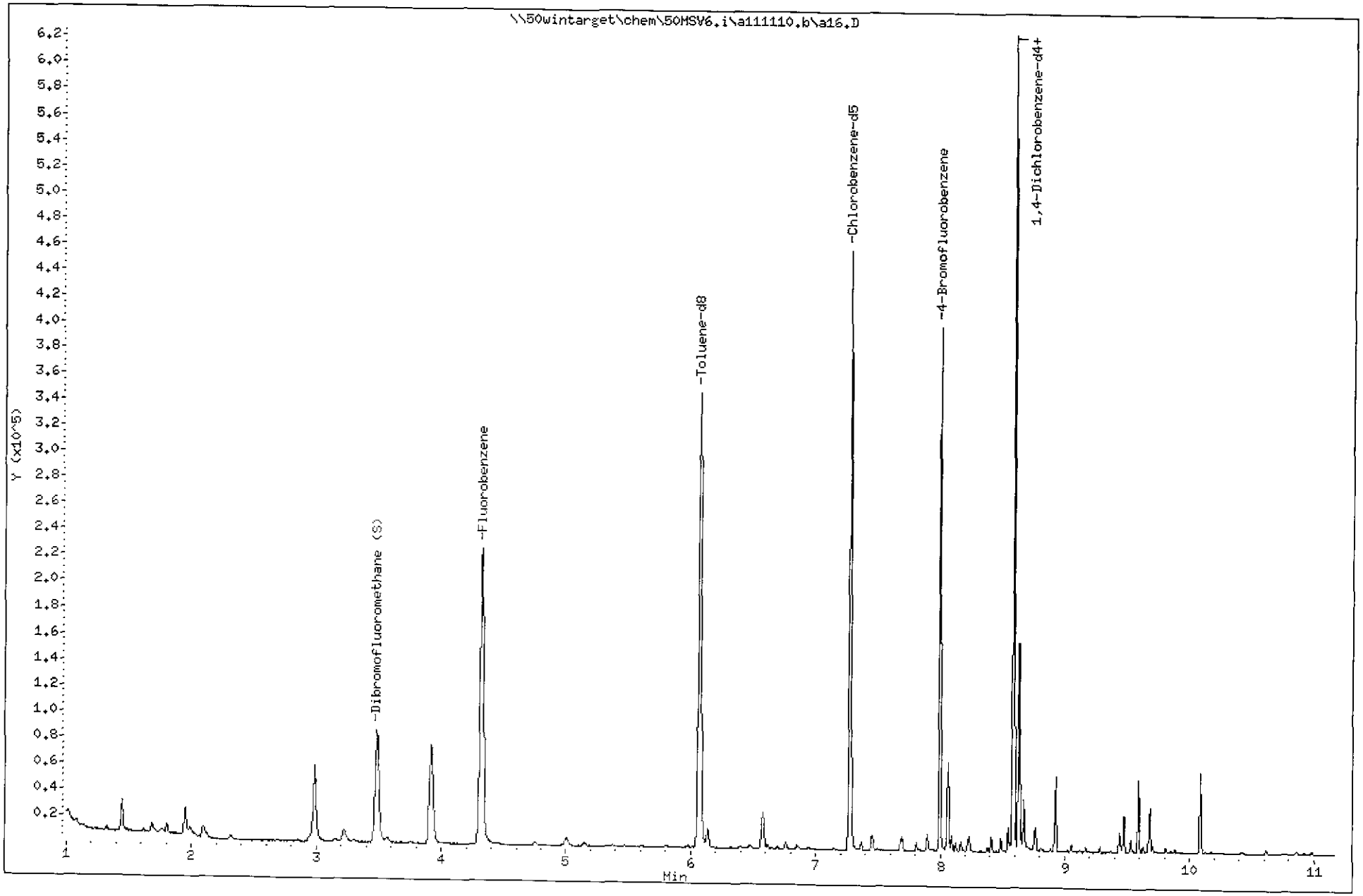
Client SDG: a111110.b
Client Smp ID: 5043009010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	3.89	
7816-60-0	m&p-Xylene	0.368	
100-42-5	Styrene	0.223	
108-86-1	Bromobenzene	0.302	
95-63-6	1,2,4-Trimethylbenzene	0.215	
541-73-1	1,3-Dichlorobenzene	0.354	
106-46-7	1,4-Dichlorobenzene	0.457	
95-50-1	1,2-Dichlorobenzene	0.344	
120-82-1	1,2,4-Trichlorobenzene	0.637	
87-61-6	1,2,3-Trichlorobenzene	0.681	
1868-53-7	Dibromofluoromethane (S)	48.2	
2037-26-5	Toluene-d8	49.6	
460-00-4	4-Bromofluorobenzene	46.5	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a16.D
Date : 11-NOV-2010 22:24
Client ID: 5043009010
Sample Info: 5043009010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a16.D

Date : 11-NOV-2010 22:24

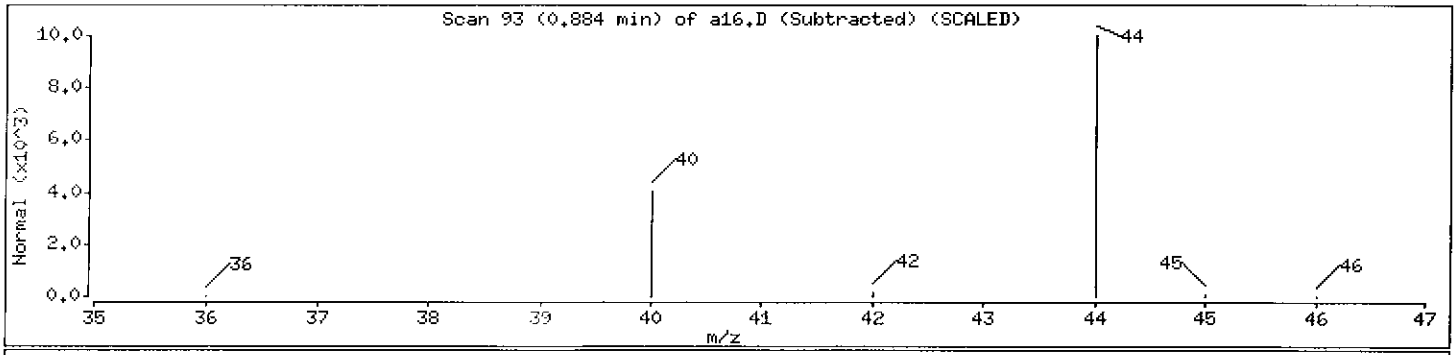
Client ID: 5043009010 Instrument: 50MSV6.i

Sample Info: 5043009010

Purge Volume: 5.0 Operator: jlf

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a17.D
Lab Smp Id: 5043009011 Client Smp ID: 5043009011
Inj Date : 11-NOV-2010 23:01
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009011
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	3972	0.77079	0.771	
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58625	48.4881	48.5	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	235840	50.0000		
	42 Trichloroethene	95	4.746	4.746	(1.099)	22017	4.16518	4.16	
$	51 Toluene-d8	98	6.068	6.068	(0.834)	211380	50.2195	50.2	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	155094	50.0000		
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	71497	46.7054	46.7	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	85290	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a17.D
Lab Smp Id: 5043009011
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009011
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	235840	-0.64
61 Chlorobenzene-d5	157497	78749	314994	155094	-1.53
85 1,4-Dichlorobenze	79662	39831	159324	85290	7.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009011 Client Smp ID: 5043009011
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.5	96.98	80-123
$ 51 Toluene-d8	50.0	50.2	100.44	80-116
$ 72 4-Bromofluorobenze	50.0	46.7	93.41	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

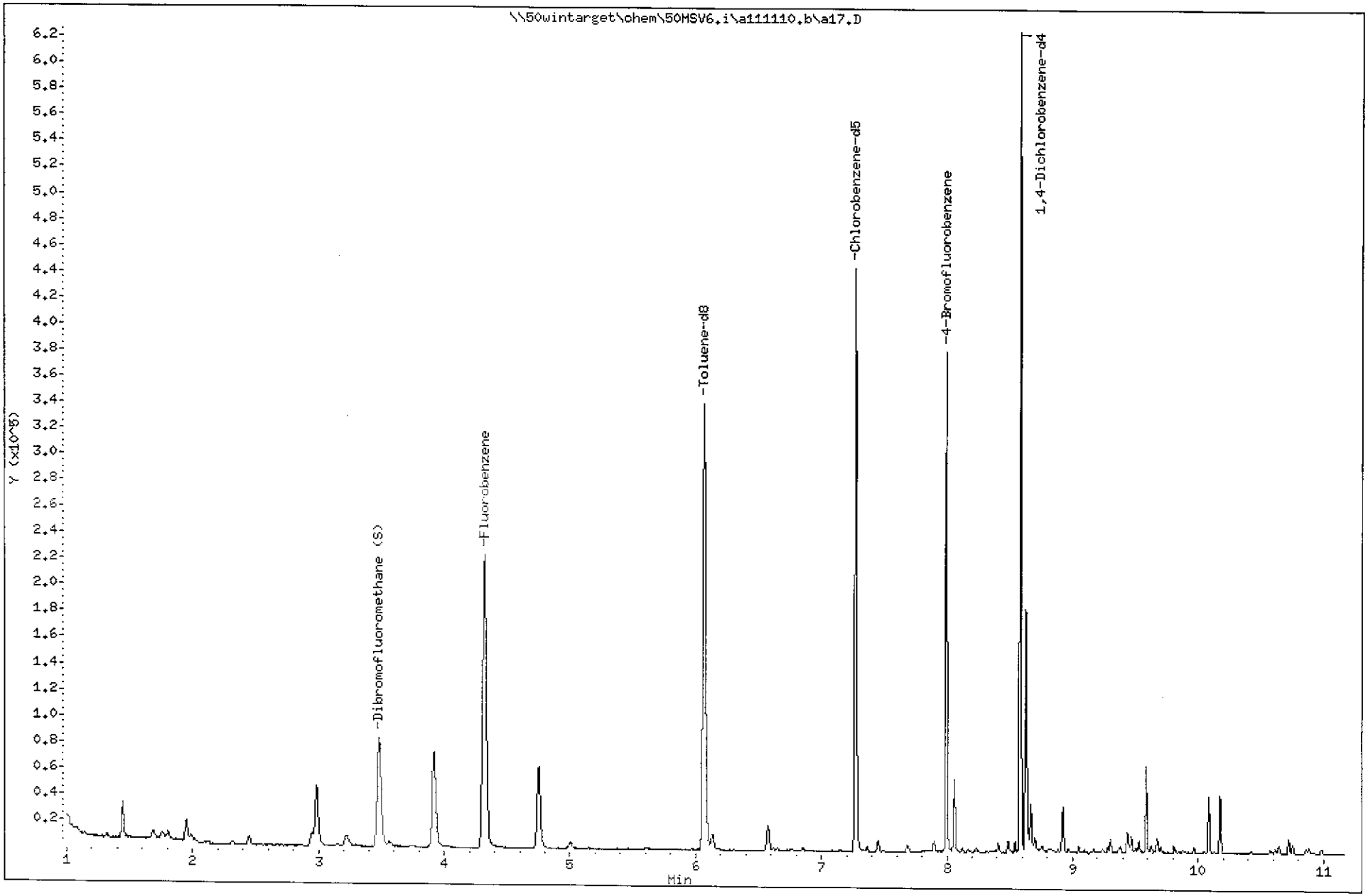
Client Name:
Lab Smp Id: 5043009011
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009011
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	0.771	
79-01-6	Trichloroethene	4.16	
1868-53-7	Dibromofluoromethane (S)	48.5	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	46.7	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a17.D
Date : 11-NOV-2010 23:01
Client ID: 5043009011
Sample Info: 5043009011
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a17.D

Date : 11-NOV-2010 23:01

Client ID: 5043009011

Instrument: 50MSV6.i

Sample Info: 5043009011

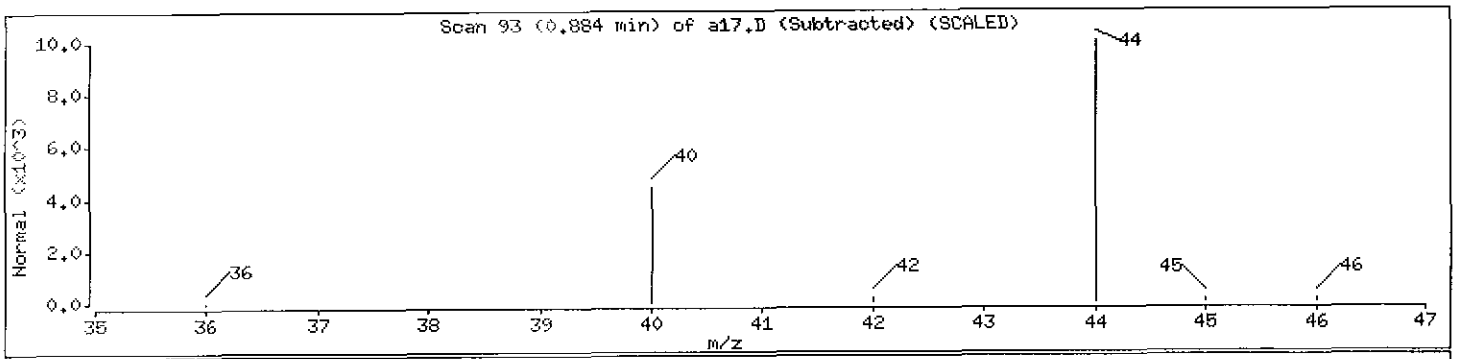
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a19.D
Lab Smp Id: 5043009012 Client Smp ID: 5043009012
Inj Date : 12-NOV-2010 00:16
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009012
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	26 1,2-Dichloroethene (cis)	96	2.938	2.943	(0.680)	7401	1.43181	1.43 (M)
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59083	48.7176	48.7
	39 Benzene	78	3.928	3.933	(0.910)	6852	0.36521	0.365
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	236563	50.0000	
$	51 Toluene-d8	98	6.062	6.068	(0.834)	209692	50.9552	51.0
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	151634	50.0000	
	65 m&p-Xylene	106	7.448	7.453	(1.024)	2521	0.36049	0.360
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	68663	45.8776	45.9
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	83083	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a19.D
Lab Smp Id: 5043009012
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009012
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	236563	-0.34
61 Chlorobenzene-d5	157497	78749	314994	151634	-3.72
85 1,4-Dichlorobenze	79662	39831	159324	83083	4.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009012
Client Smp ID: 5043009012
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.7	97.44	80-123
$ 51 Toluene-d8	50.0	51.0	101.91	80-116
$ 72 4-Bromofluorobenze	50.0	45.9	91.76	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009012
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

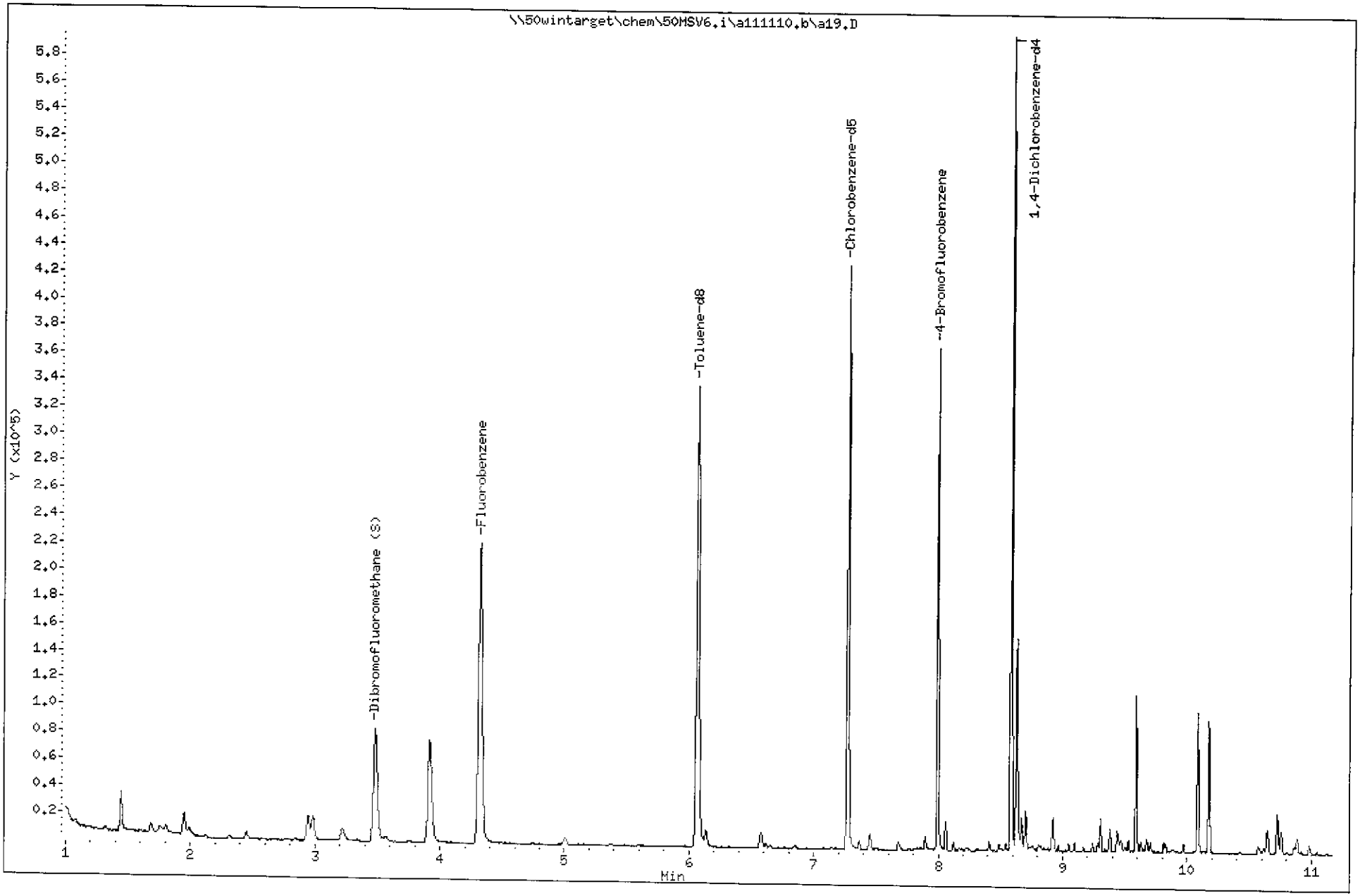
Client SDG: a111110.b
Client Smp ID: 5043009012
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	1.43	
71-43-2	Benzene	0.365	
7816-60-0	m&p-Xylene	0.360	
1868-53-7	Dibromofluoromethane (S)	48.7	
2037-26-5	Toluene-d8	51.0	
460-00-4	4-Bromofluorobenzene	45.9	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a19.D
Date : 12-NOV-2010 00:16
Client ID: 5043009012
Sample Info: 5043009012
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a19.D

Date : 12-NOV-2010 00:16

Client ID: 5043009012

Instrument: 50MSV6.i

Sample Info: 5043009012

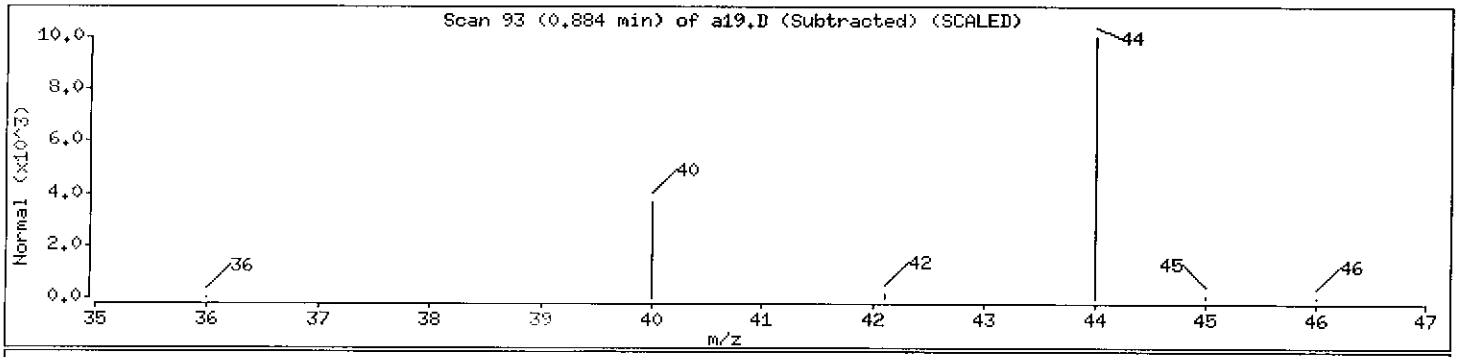
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a04.D
Lab Smp Id: 5043009013-lvl4tcl Client Smp ID: 5043009013
Inj Date : 11-NOV-2010 14:55
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009013-lvl4tcl
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	7863	2.79028	2.79
	11 1,1-Dichloroethene	96	1.670	1.665	(0.387)	16774	5.83246	5.83
	21 1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	7196	1.44634	1.45
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	313518	59.3273	59.3
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59138	47.6965	47.7
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	241852	50.0000	
	42 Trichloroethene	95	4.752	4.746	(1.100)	863877	159.366	159
$	51 Toluene-d8	98	6.068	6.068	(0.834)	217372	53.4339	53.4
	56 Tetrachloroethene	166	6.624	6.613	(0.911)	7492278	1426.15	1430
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	149896	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.003)	8377	0.74852	0.748
	67 o-Xylene	106	7.683	7.683	(1.057)	1429	0.20013	0.200(M)
$	72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	68962	46.6116	46.6
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	84142	50.0000	(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	1952	0.21432	0.214(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a04.D
Lab Smp Id: 5043009013-lvl4tcl
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009013
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	241852	1.89
61 Chlorobenzene-d5	157497	78749	314994	149896	-4.83
85 1,4-Dichlorobenze	79662	39831	159324	84142	5.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009013-lvl4tcl
Client Smp ID: 5043009013
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	47.7	95.39	80-123
$ 51 Toluene-d8	50.0	53.4	106.87	80-116
$ 72 4-Bromofluorobenze	50.0	46.6	93.22	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009013-lvl4tcl
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

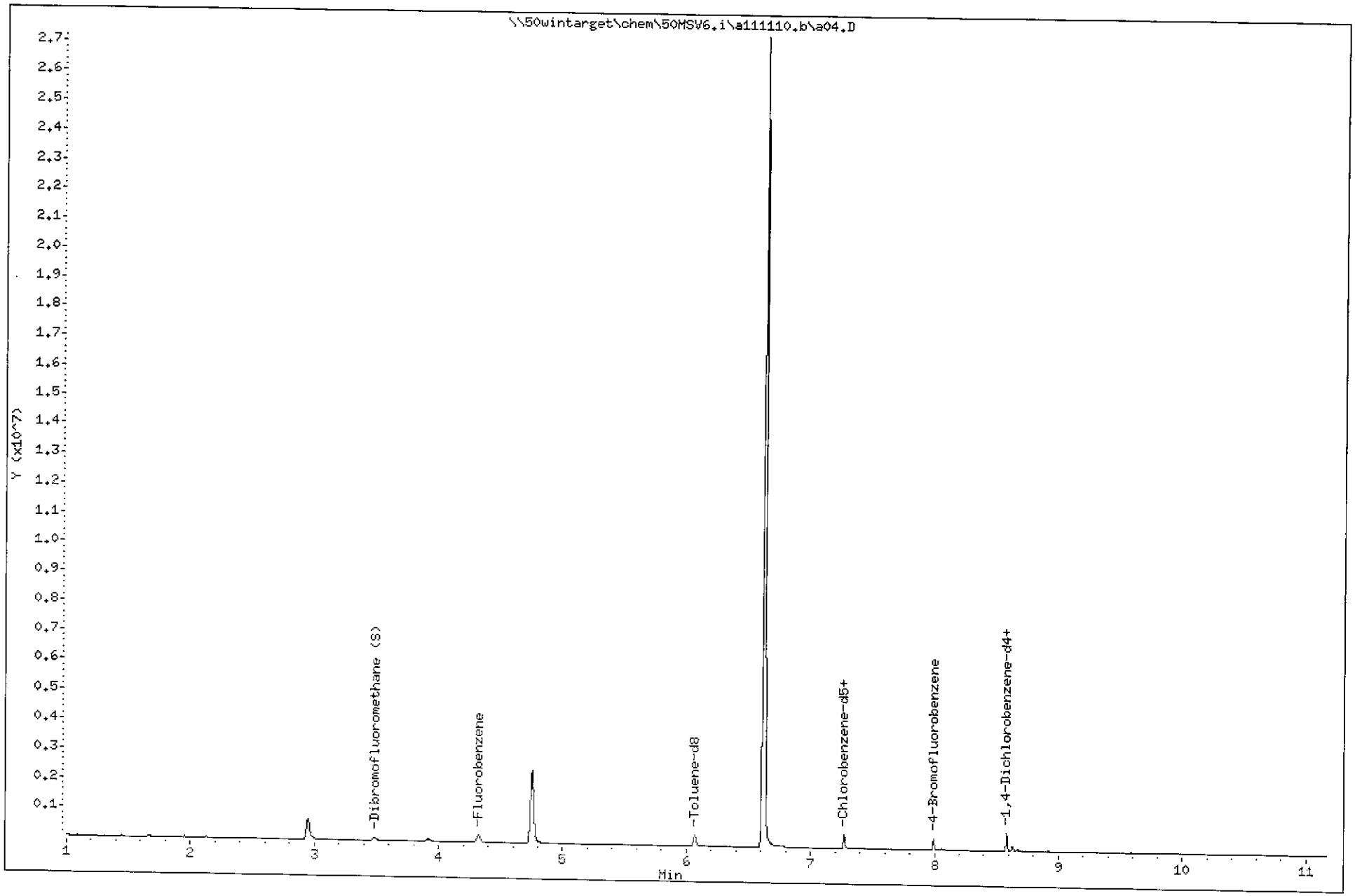
Client SDG: a111110.b
Client Smp ID: 5043009013
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	2.79	
75-35-4	1,1-Dichloroethene	5.83	
156-60-5	1,2-Dichloroethene (trans)	1.45	
156-59-2	1,2-Dichloroethene (cis)	59.3	
79-01-6	Trichloroethene	159	
127-18-4	Tetrachloroethene	1430	
108-90-7	Chlorobenzene	0.748	
95-47-6	o-Xylene	0.200	
106-46-7	1,4-Dichlorobenzene	0.214	
1868-53-7	Dibromofluoromethane (S)	47.7	
2037-26-5	Toluene-d8	53.4	
460-00-4	4-Bromofluorobenzene	46.6	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a04.D
Date : 11-NOV-2010 14:55
Client ID: 5043009013
Sample Info: 5043009013-lvl4tcl
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a04.D

Date : 11-NOV-2010 14:55

Client ID: 5043009013

Instrument: 50MSV6.i

Sample Info: 5043009013-lvl4tcl

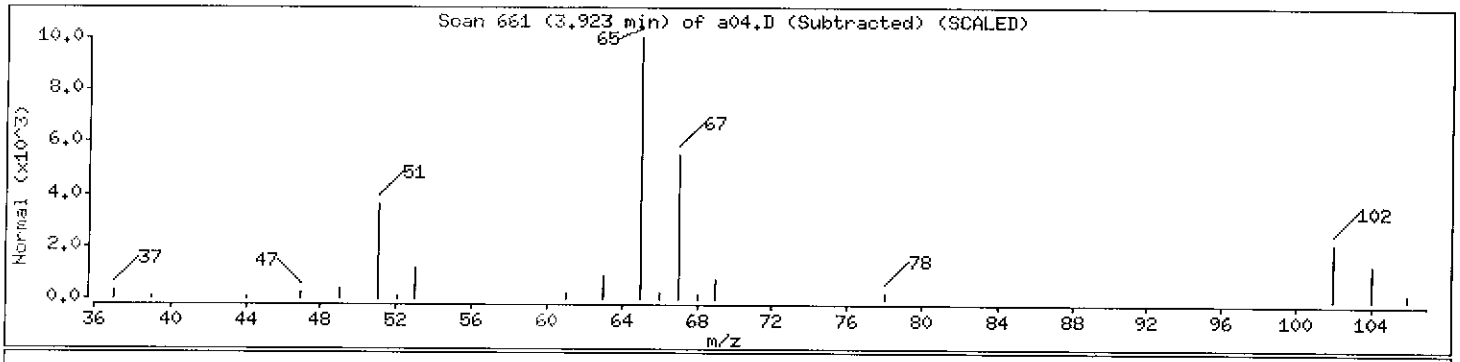
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111210.b\a05.D
Lab Smp Id: 5043009013 Client Smp ID: 5043009013
Inj Date : 12-NOV-2010 16:55
Operator : jlf Inst ID: 50MSV6.i
Smp Info : r5043009013,50
Misc Info : 28205
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Meth Date : 15-Nov-2010 10:17 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	50.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	5868	1.17825	58.9
	32 Chloroform	83	3.297	3.302	(0.763)	2263	0.26003	13.0
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	55716	47.6822	47.7
	39 Benzene	78	3.933	3.933	(0.911)	11872	0.65675	32.8
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	227926	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	17775	3.47943	174
$	51 Toluene-d8	98	6.062	6.068	(0.834)	200814	50.0376	50.0
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	210453	40.6066	2030
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	147877	50.0000	
	65 m&p-Xylene	106	7.453	7.453	(1.025)	4158	0.60968	30.5
$	72 4-Bromofluorobenzene	95	7.994	7.993	(1.099)	67930	46.5409	46.5
	78 1,3,5-Trimethylbenzene	105	8.218	8.218	(0.958)	2324	0.14786	7.39
	81 1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	8220	0.51030	25.5
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	83331	50.0000	(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	1483	0.16441	8.22(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a05.D
Lab Smp Id: 5043009013
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28205

Calibration Date: 12-NOV-2010
Calibration Time: 14:25
Client Smp ID: 5043009013
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	221037	110519	442074	227926	3.12
61 Chlorobenzene-d5	150814	75407	301628	147877	-1.95
85 1,4-Dichlorobenze	77535	38768	155070	83331	7.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111210.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009013
Client Smp ID: 5043009013
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28205

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	47.7	95.36	80-123
$ 51 Toluene-d8	50.0	50.0	100.08	80-116
$ 72 4-Bromofluorobenze	50.0	46.5	93.08	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

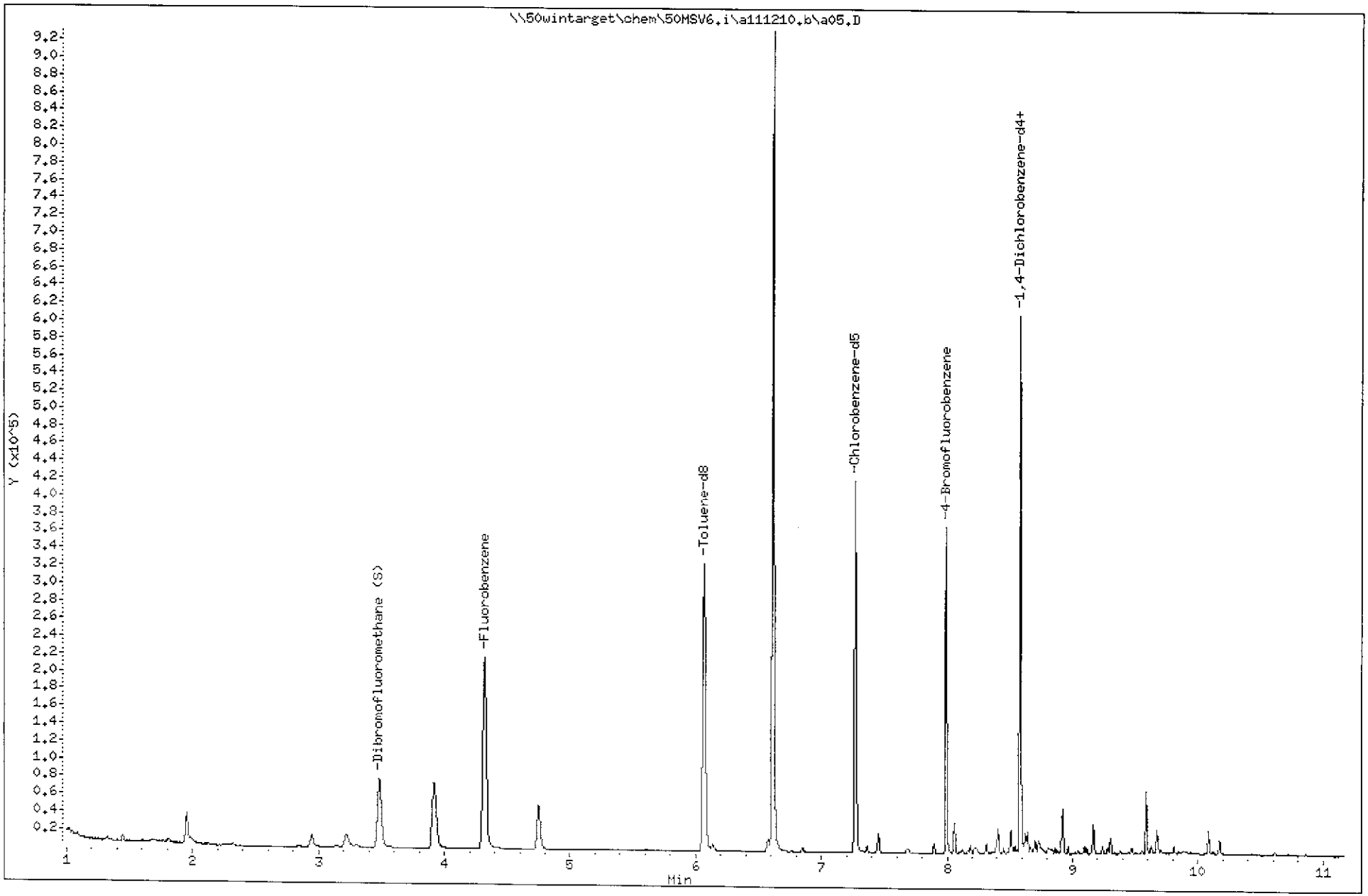
Client Name:
Lab Smp Id: 5043009013
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28205

Client SDG: a111210.b
Client Smp ID: 5043009013
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	58.9	
67-66-3	Chloroform	13.0	
71-43-2	Benzene	32.8	
79-01-6	Trichloroethene	174	
127-18-4	Tetrachloroethene	2030	
7816-60-0	m&p-Xylene	30.5	
108-67-8	1,3,5-Trimethylbenzene	7.39	
95-63-6	1,2,4-Trimethylbenzene	25.5	
106-46-7	1,4-Dichlorobenzene	8.22	
1868-53-7	Dibromofluoromethane (S)	47.7	
2037-26-5	Toluene-d8	50.0	
460-00-4	4-Bromofluorobenzene	46.5	

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a05.D
Date : 12-NOV-2010 16:55
Client ID: 5043009013
Sample Info: r5043009013,50
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a05.D

Date : 12-NOV-2010 16:55

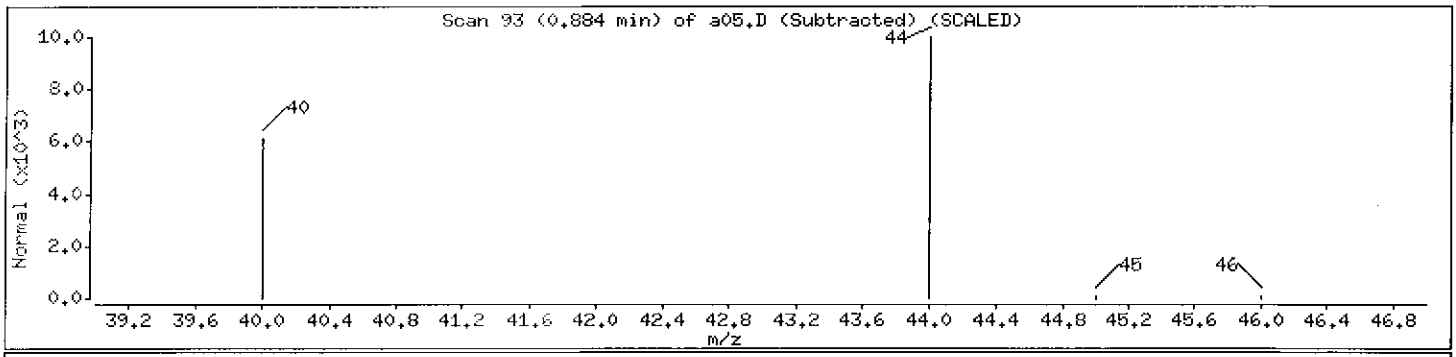
Client ID: 5043009013 Instrument: 50MSV6.i

Sample Info: r5043009013,50

Purge Volume: 5.0 Operator: jlf

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\a18.D
Lab Smp Id: 5043009014 Client Smp ID: 5043009014
Inj Date : 11-NOV-2010 23:39
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009014
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	11 1,1-Dichloroethene	96	1.665	1.665	(0.386)	7963	2.71642	2.72
	21 1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	1722	0.33956	0.340
	26 1,2-Dichloroethene (cis)	96	2.938	2.943	(0.680)	18928	3.51400	3.51(M)
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	60641	47.9834	48.0
	39 Benzene	78	3.928	3.933	(0.910)	6360	0.32530	0.325
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	246516	50.0000	
$	51 Toluene-d8	98	6.062	6.068	(0.834)	224861	50.3649	50.4
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	15050	2.61029	2.61
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	164509	50.0000	
	65 m&p-Xylene	106	7.453	7.453	(1.025)	2083	0.27455	0.274
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	76608	47.1801	47.2
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	91096	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a18.D
Lab Smp Id: 5043009014
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009014
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	246516	3.86
61 Chlorobenzene-d5	157497	78749	314994	164509	4.45
85 1,4-Dichlorobenze	79662	39831	159324	91096	14.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009014
Client Smp ID: 5043009014
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.0	95.97	80-123
$ 51 Toluene-d8	50.0	50.4	100.73	80-116
$ 72 4-Bromofluorobenze	50.0	47.2	94.36	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009014
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

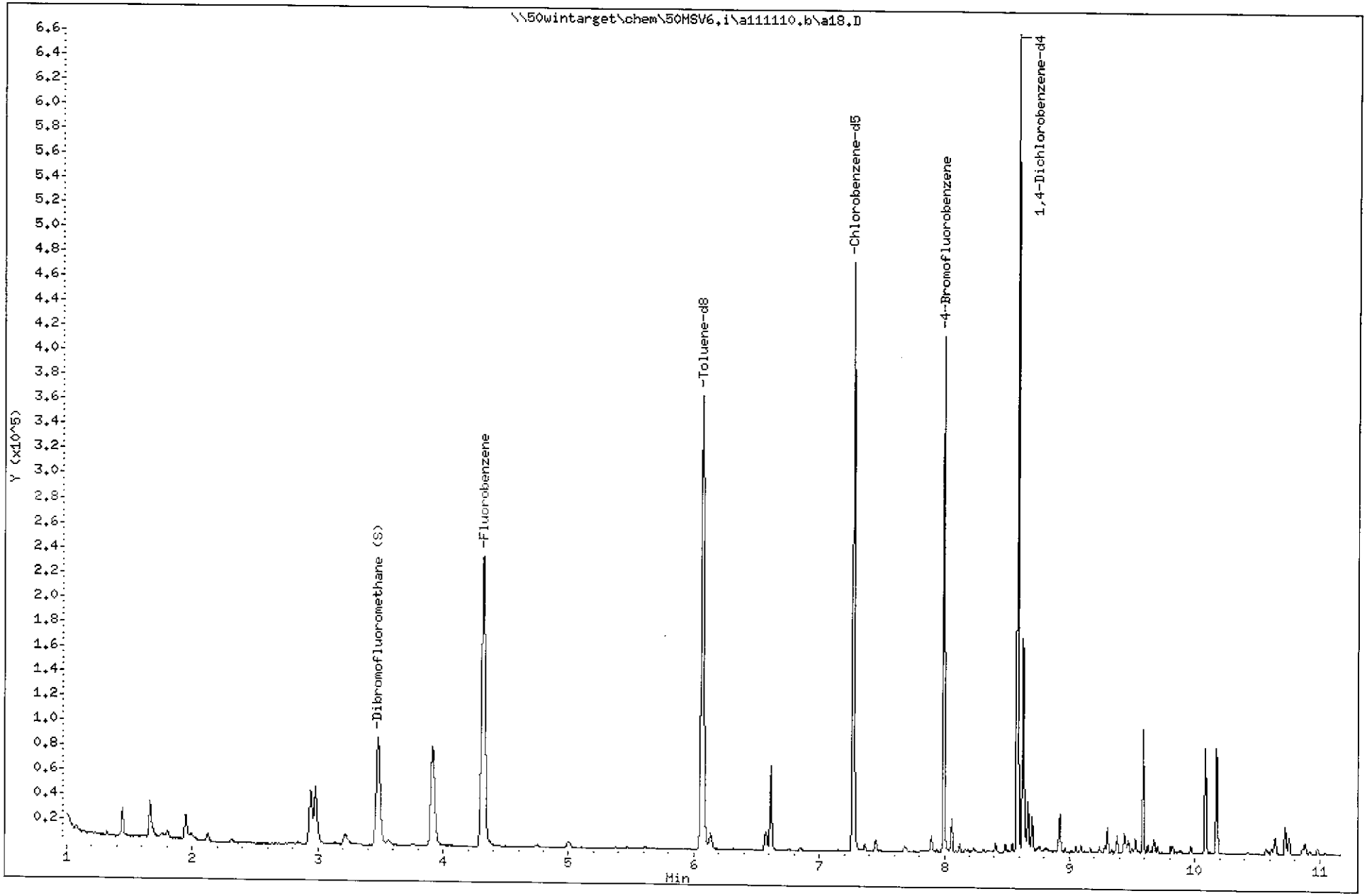
Client SDG: a111110.b
Client Smp ID: 5043009014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-35-4	1,1-Dichloroethene	2.72	
156-60-5	1,2-Dichloroethene (trans)	0.340	
156-59-2	1,2-Dichloroethene (cis)	3.51	
71-43-2	Benzene	0.325	
127-18-4	Tetrachloroethene	2.61	
7816-60-0	m&p-Xylene	0.274	
1868-53-7	Dibromofluoromethane (S)	48.0	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	47.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a18.D
Date : 11-NOV-2010 23:39
Client ID: 5043009014
Sample Info: 5043009014
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\a18.D

Date : 11-NOV-2010 23:39

Client ID: 5043009014

Instrument: 50MSV6.i

Sample Info: 5043009014

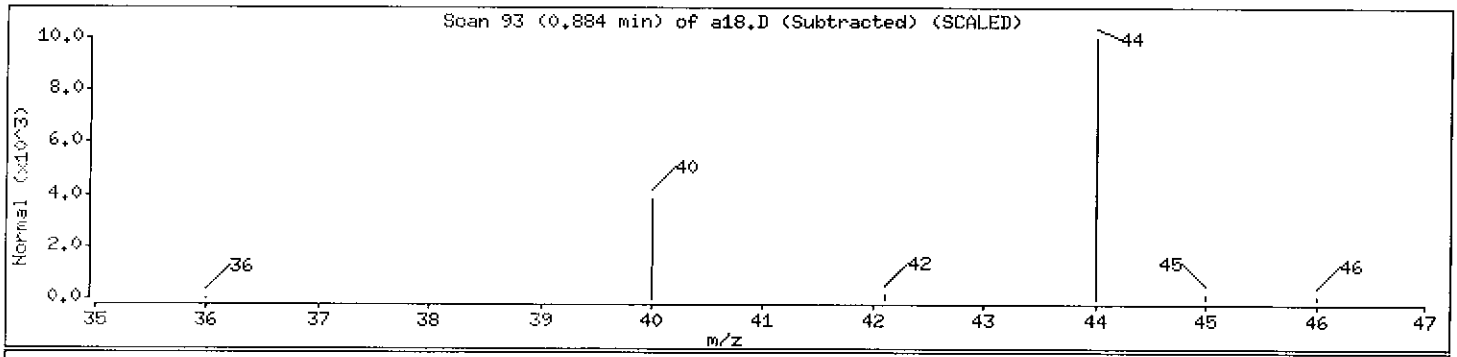
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Matoh	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c04.D
Lab Smp Id: 5043009015-lvl4tcl Client Smp ID: 5043009015
Inj Date : 12-NOV-2010 03:23
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009015-lvl4tcl
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59701	48.8774	48.9
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	238256	50.0000	
$ 51 Toluene-d8	98	6.062	6.068	(0.834)	207765	50.9161	50.9
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	150356	50.0000	
$ 72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	68226	45.9731	46.0
* 85 1,4-Dichlorobenzene-d4	152	8.587	8.582	(1.000)	84075	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.598	8.598	(1.001)	2006	0.22043	0.220(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c04.D
Lab Smp Id: 5043009015-lvl4tcl
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009015
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	238256	0.38
61 Chlorobenzene-d5	157497	78749	314994	150356	-4.53
85 1,4-Dichlorobenze	79662	39831	159324	84075	5.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.59	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009015-lvl4tcl
Client Smp ID: 5043009015
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.9	97.75	80-123
$ 51 Toluene-d8	50.0	50.9	101.83	80-116
$ 72 4-Bromofluorobenze	50.0	46.0	91.95	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009015-lvl4tcl
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

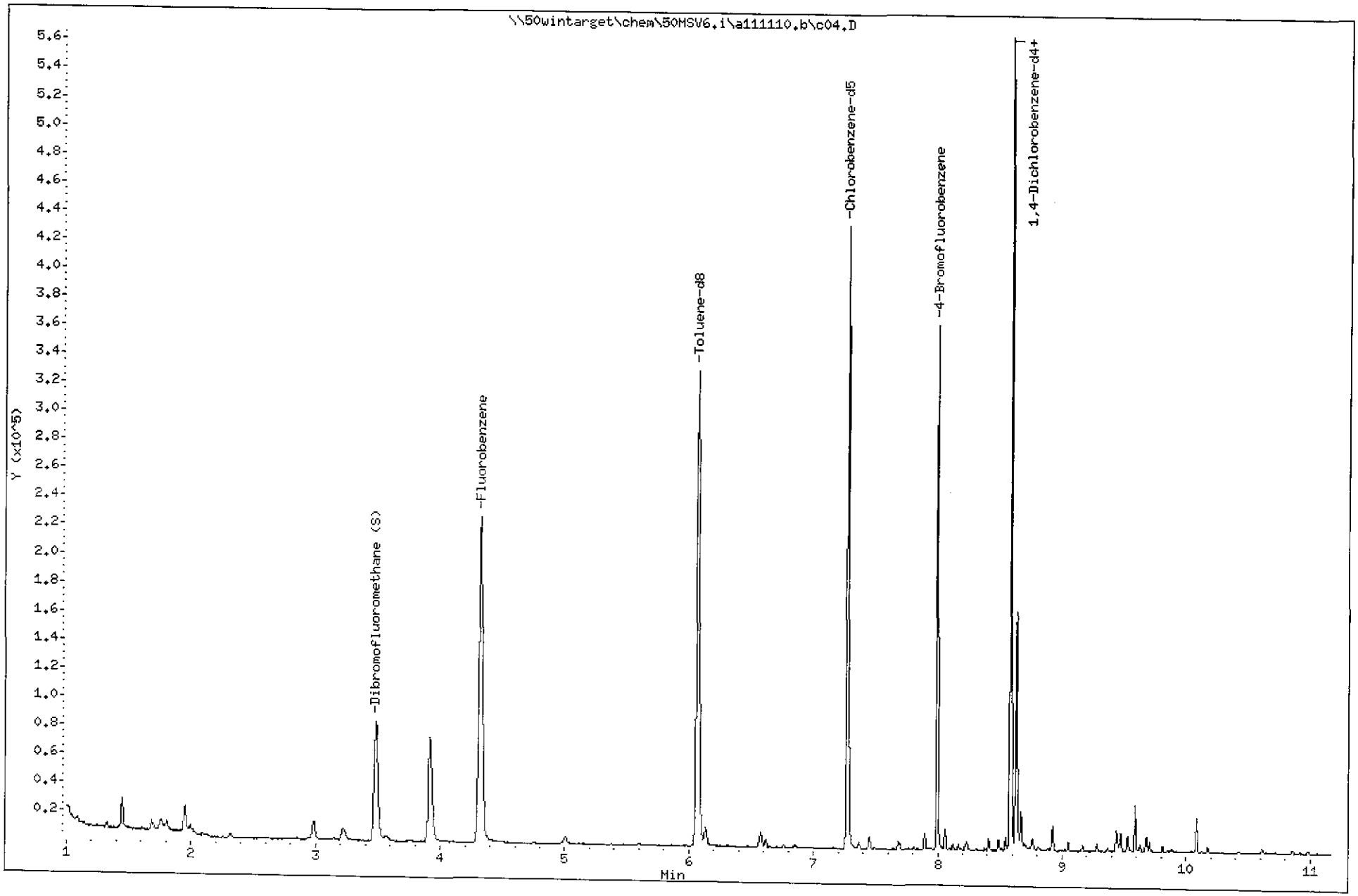
Client SDG: a111110.b
Client Smp ID: 5043009015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
106-46-7	1,4-Dichlorobenzene	0.220	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	50.9	
460-00-4	4-Bromofluorobenzene	46.0	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c04.D
Date : 12-NOV-2010 03:23
Client ID: 5043009015
Sample Info: 5043009015-1v14tc1
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c04.D

Date : 12-NOV-2010 03:23

Client ID: 5043009015

Instrument: 50MSV6.i

Sample Info: 5043009015-lvl4tcl

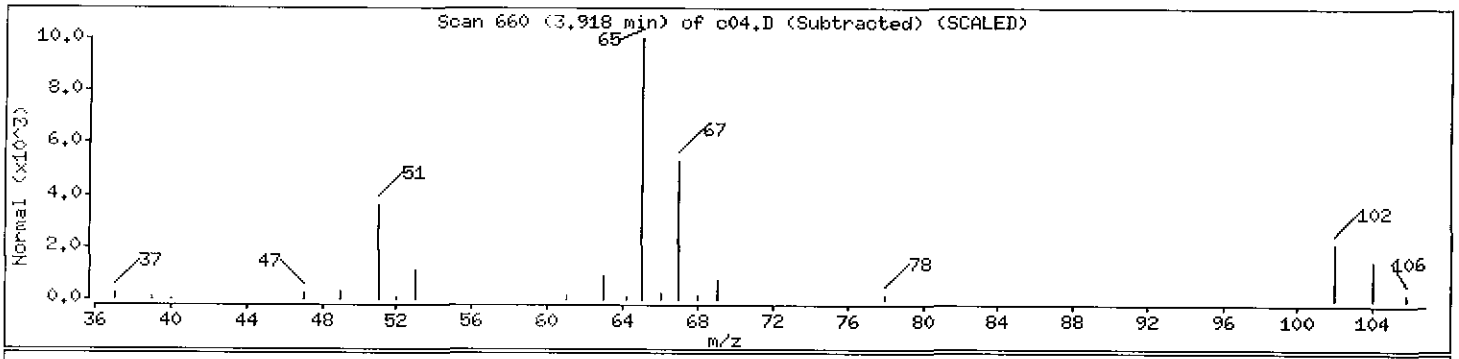
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c05.D
Lab Smp Id: 5043009016 Client Smp ID: 5043009016
Inj Date : 12-NOV-2010 04:01
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009016
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	3612	1.64497	1.64 (M)
	21 1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	4496	0.93491	0.935
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	344396	67.4243	67.4
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58668	48.9540	49.0
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	233767	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	9301	1.77517	1.78
$	51 Toluene-d8	98	6.062	6.068	(0.834)	203049	50.4053	50.4
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	148432	50.0000	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	67711	46.2174	46.2
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	82647	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c05.D
Lab Smp Id: 5043009016
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009016
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	233767	-1.52
61 Chlorobenzene-d5	157497	78749	314994	148432	-5.76
85 1,4-Dichlorobenze	79662	39831	159324	82647	3.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009016
Client Smp ID: 5043009016
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.0	97.91	80-123
$ 51 Toluene-d8	50.0	50.4	100.81	80-116
$ 72 4-Bromofluorobenze	50.0	46.2	92.43	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009016
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

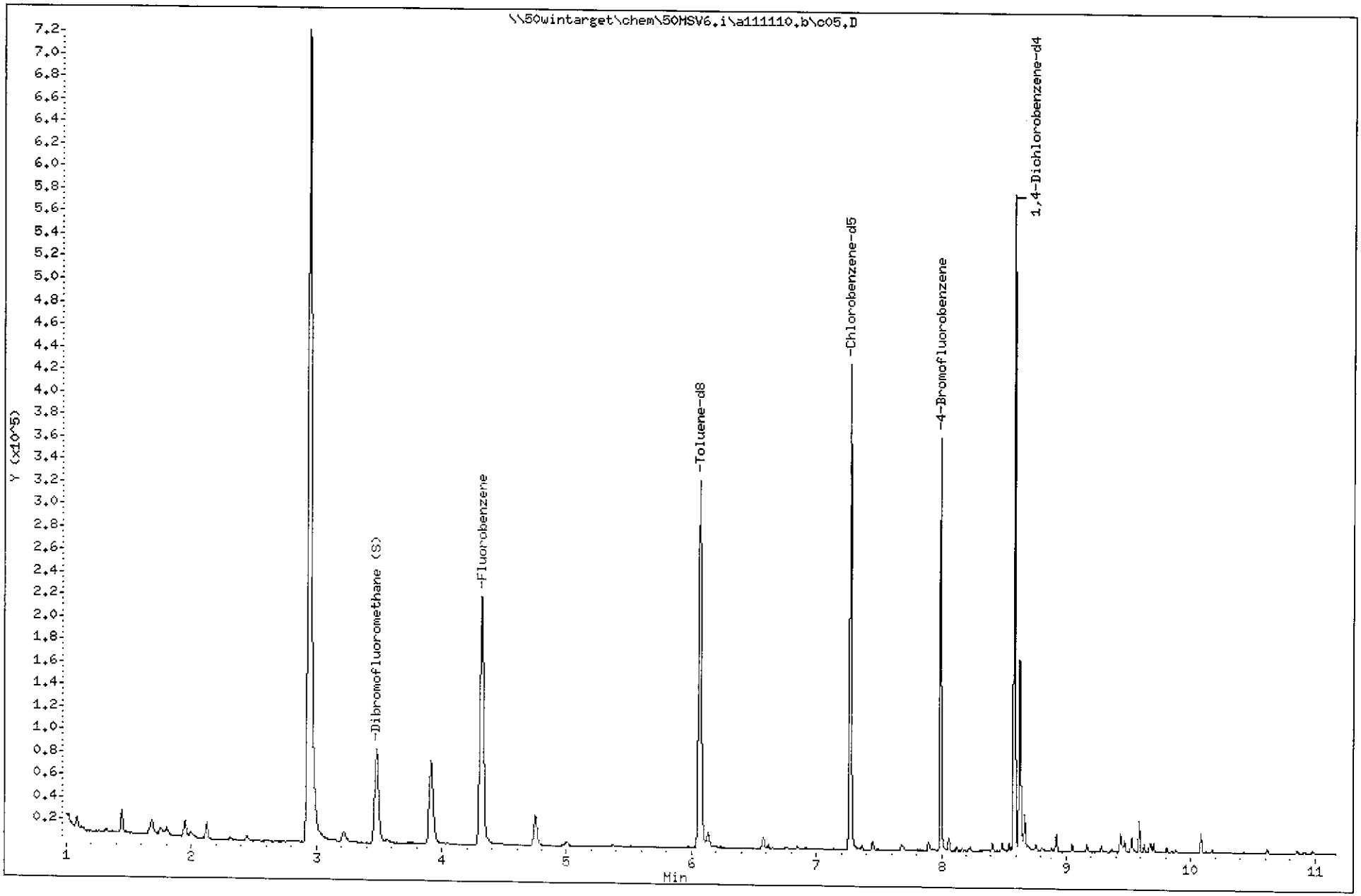
Client SDG: a111110.b
Client Smp ID: 5043009016
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	1.64	
156-60-5	1,2-Dichloroethene (trans)	0.935	
156-59-2	1,2-Dichloroethene (cis)	67.4	
79-01-6	Trichloroethene	1.78	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	46.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c05.D
Date : 12-NOV-2010 04:01
Client ID: 5043009016
Sample Info: 5043009016
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c05.D

Date : 12-NOV-2010 04:01

Client ID: 5043009016

Instrument: 50MSV6.i

Sample Info: 5043009016

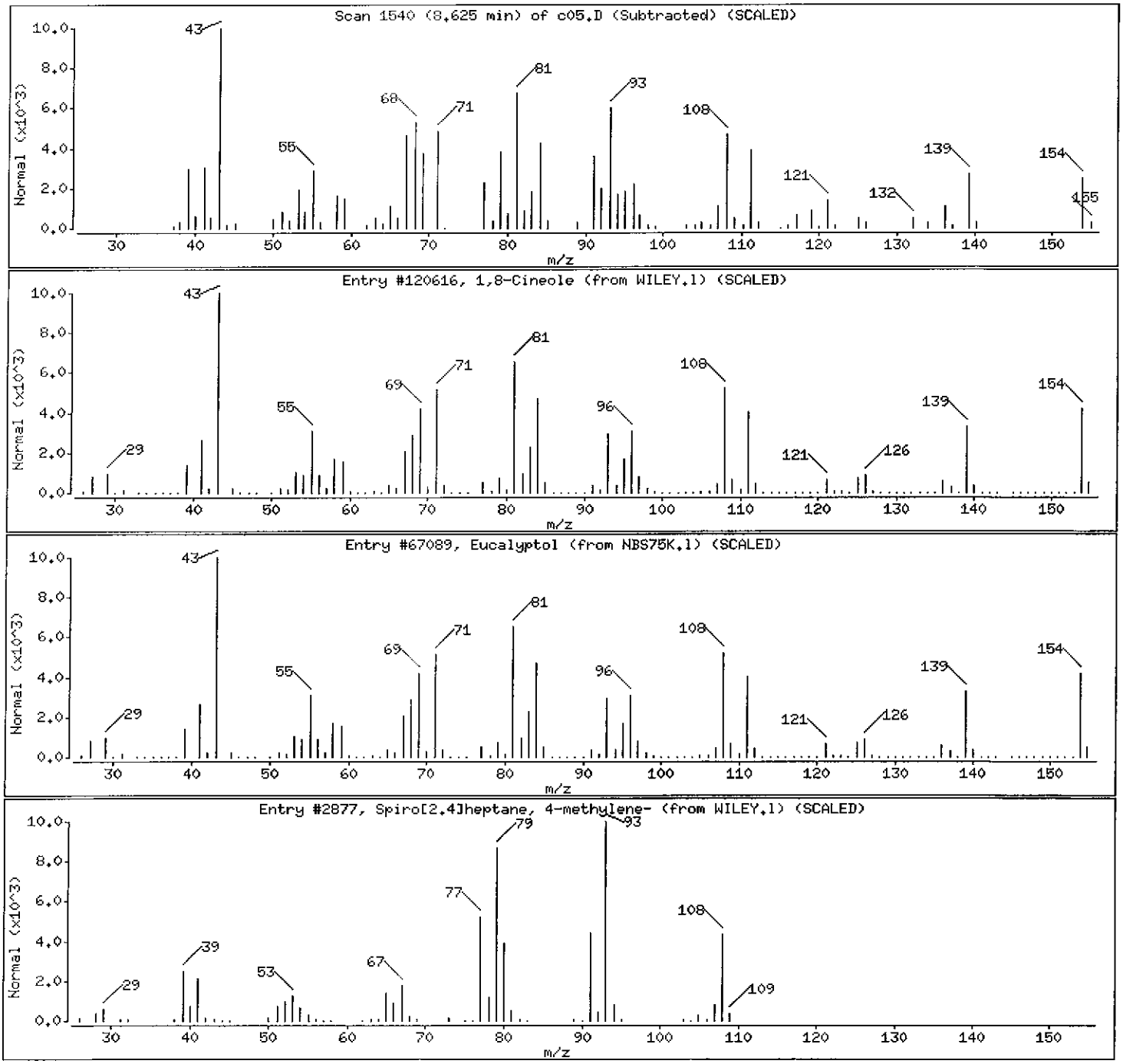
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,8-Cineole	470-82-6	WILEY.l	120616	94	C10H18O	154
Eucalyptol	470-82-6	NBS75K.l	67089	94	C10H18O	154
Spiro[2.4]heptane, 4-methylene-	24308-54-1	WILEY.l	2877	30	C8H12	108



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c06.D
Lab Smp Id: 5043009017 Client Smp ID: 5043009017
Inj Date : 12-NOV-2010 04:38
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009017
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	3332	1.58115	1.58 (Q)
	19 Acrylonitrile	53	2.098	2.098	(0.486)	6249	4.03105	4.03
	21 1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	4367	0.92382	0.924
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	341451	68.0062	68.0
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57848	49.1062	49.1
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	229785	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	10175	1.97563	1.98
$	51 Toluene-d8	98	6.062	6.068	(0.834)	201903	49.8759	49.9
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	149161	50.0000	
	65 m&p-Xylene	106	7.448	7.453	(1.024)	2762	0.40150	0.402
	67 o-Xylene	106	7.683	7.683	(1.057)	1537	0.21631	0.216 (M)
	68 Styrene	104	7.699	7.694	(1.059)	2341	0.20443	0.204
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	67373	45.7620	45.8
	74 Bromobenzene	77	8.063	8.063	(1.109)	1632	0.23454	0.234
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	3298	0.20552	0.206
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	83013	50.0000	(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	3386	0.37683	0.377
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	2569	0.30109	0.301
	90 1,2,4-Trichlorobenzene	180	9.476	9.475	(1.104)	3979	0.54558	0.546
	93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	3887	0.57078	0.571

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c06.D
Lab Smp Id: 5043009017
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009017
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	229785	-3.19
61 Chlorobenzene-d5	157497	78749	314994	149161	-5.29
85 1,4-Dichlorobenze	79662	39831	159324	83013	4.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009017
Client Smp ID: 5043009017
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.1	98.21	80-123
$ 51 Toluene-d8	50.0	49.9	99.75	80-116
$ 72 4-Bromofluorobenze	50.0	45.8	91.52	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

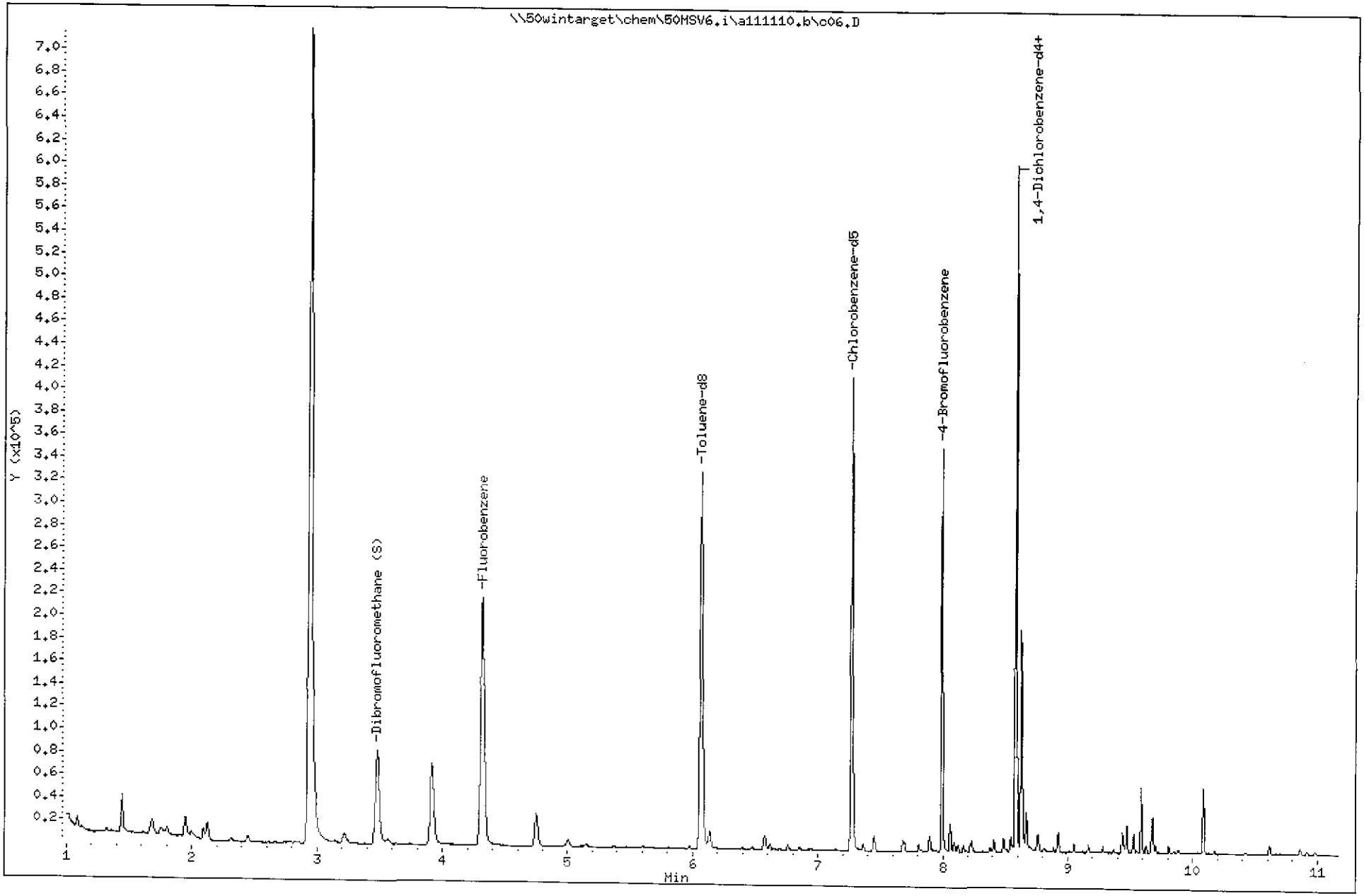
Client Name:
Lab Smp Id: 5043009017
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009017
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	1.58	
107-13-1	Acrylonitrile	4.03	
156-60-5	1,2-Dichloroethene (trans)	0.924	
156-59-2	1,2-Dichloroethene (cis)	68.0	
79-01-6	Trichloroethene	1.98	
7816-60-0	m&p-Xylene	0.402	
95-47-6	o-Xylene	0.216	
100-42-5	Styrene	0.204	
108-86-1	Bromobenzene	0.234	
95-63-6	1,2,4-Trimethylbenzene	0.206	
106-46-7	1,4-Dichlorobenzene	0.377	
95-50-1	1,2-Dichlorobenzene	0.301	
120-82-1	1,2,4-Trichlorobenzene	0.546	
87-61-6	1,2,3-Trichlorobenzene	0.571	
1868-53-7	Dibromofluoromethane (S)	49.1	
2037-26-5	Toluene-d8	49.9	
460-00-4	4-Bromofluorobenzene	45.8	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c06.D
Date : 12-NOV-2010 04:38
Client ID: 5043009017
Sample Info: 5043009017
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c06.D

Date : 12-NOV-2010 04:38

Client ID: 5043009017

Instrument: 50MSV6.i

Sample Info: 5043009017

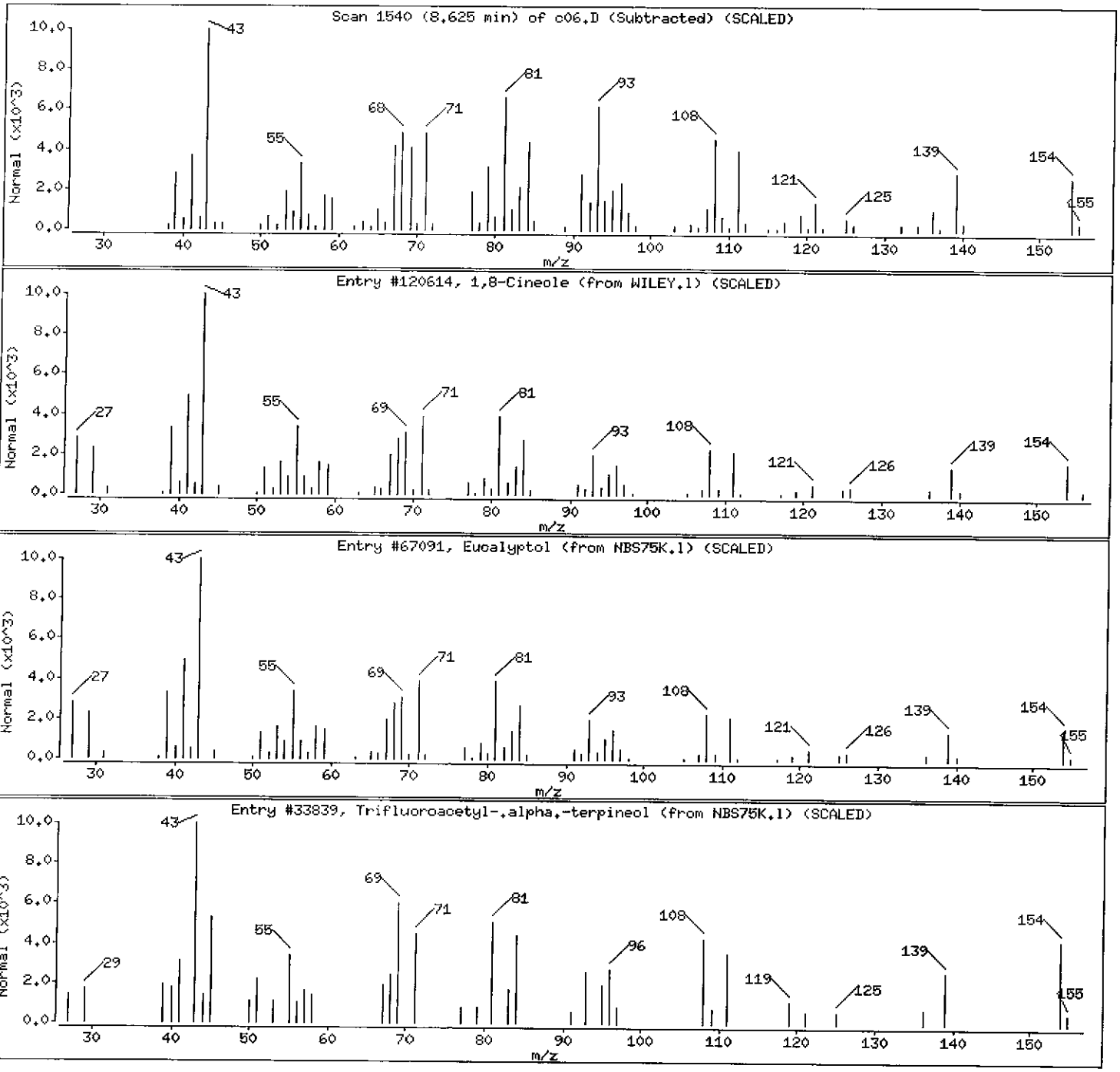
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,8-Cineole	470-82-6	WILEY.l	120614	94	C10H18O	154
Eucalyptol	470-82-6	NBS75K.l	67091	93	C10H18O	154
Trifluoroacetyl-,alpha,-terpineol	0-00-0	NBS75K.l	33839	32	C12H17F3O2	250



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c07.D
Lab Smp Id: 5043009018 Client Smp ID: 5043009018
Inj Date : 12-NOV-2010 05:16
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009018
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	19 Acrylonitrile	53	2.098	2.098	(0.486)	6838	4.19298	4.19	
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	35129	4.00607	4.01	
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	19685	3.72684	3.73	
$	33 Dibromofluoromethane (S)	113	3.489	3.484	(0.808)	59639	48.1243	48.1	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	241733	50.0000		
$	51 Toluene-d8	98	6.068	6.068	(0.834)	218828	50.4065	50.4	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	159963	50.0000		
	65 m&p-Xylene	106	7.453	7.453	(1.025)	2509	0.34010	0.340	
	68 Styrene	104	7.694	7.694	(1.058)	2674	0.21775	0.218	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	73416	46.4992	46.5	
	74 Bromobenzene	77	8.063	8.063	(1.109)	2061	0.27619	0.276	
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	3431	0.20058	0.200	
	83 1,3-Dichlorobenzene	146	8.545	8.545	(0.996)	2741	0.29153	0.292	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	88491	50.0000		(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	3658	0.38190	0.382	
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	2780	0.30565	0.306	
	90 1,2,4-Trichlorobenzene	180	9.475	9.475	(1.104)	3869	0.49765	0.498	
	93 1,2,3-Trichlorobenzene	180	9.679	9.679	(1.128)	3828	0.52732	0.527	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c07.D
Lab Smp Id: 5043009018
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009018
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	241733	1.84
61 Chlorobenzene-d5	157497	78749	314994	159963	1.57
85 1,4-Dichlorobenze	79662	39831	159324	88491	11.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009018 Client Smp ID: 5043009018
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.1	96.25	80-123
$ 51 Toluene-d8	50.0	50.4	100.81	80-116
$ 72 4-Bromofluorobenze	50.0	46.5	93.00	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

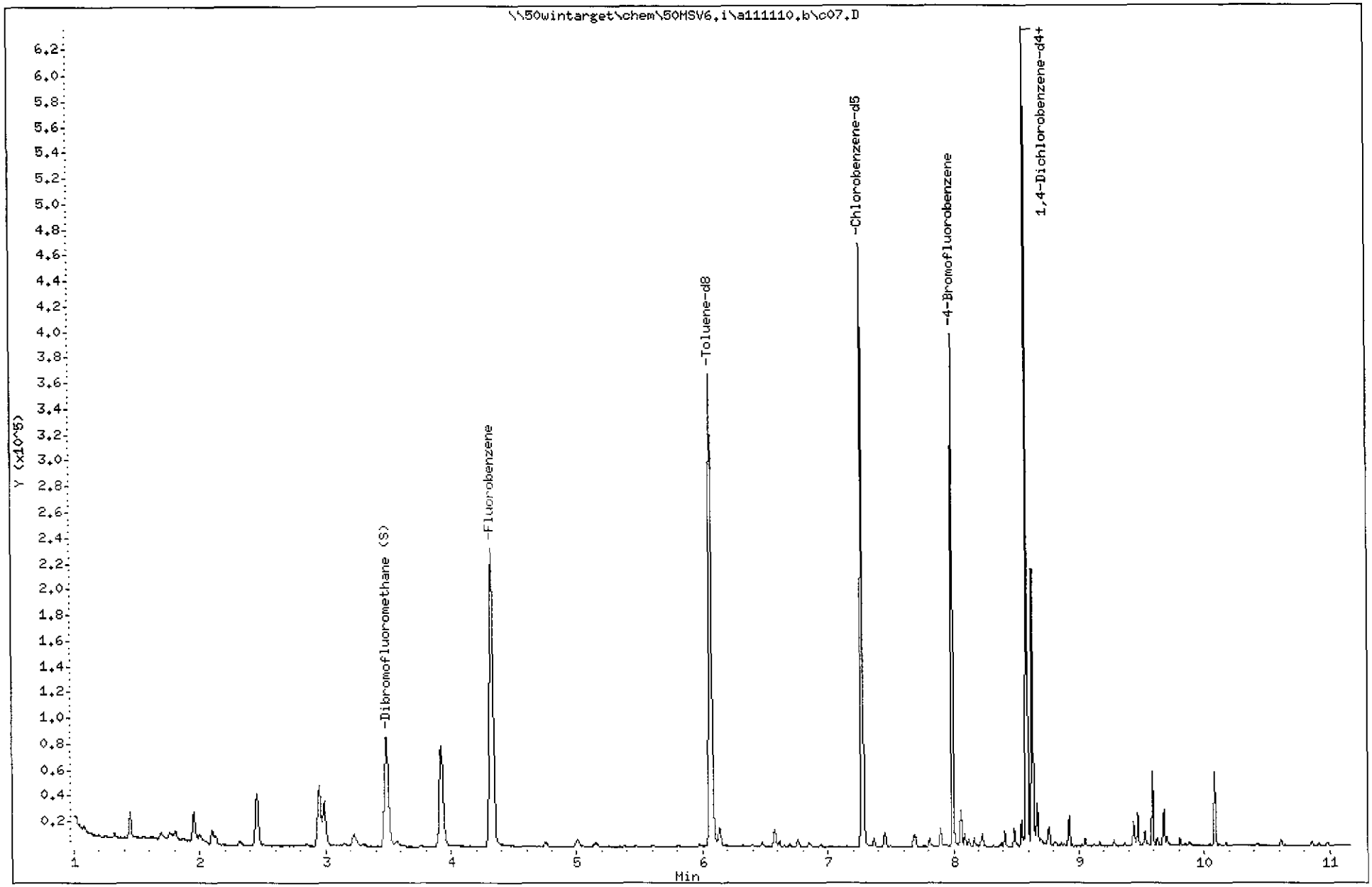
Client Name:
Lab Smp Id: 5043009018
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009018
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	4.19	
75-34-3	1,1-Dichloroethane	4.01	
156-59-2	1,2-Dichloroethene (cis)	3.73	
7816-60-0	m&p-Xylene	0.340	
100-42-5	Styrene	0.218	
108-86-1	Bromobenzene	0.276	
95-63-6	1,2,4-Trimethylbenzene	0.200	
541-73-1	1,3-Dichlorobenzene	0.292	
106-46-7	1,4-Dichlorobenzene	0.382	
95-50-1	1,2-Dichlorobenzene	0.306	
120-82-1	1,2,4-Trichlorobenzene	0.498	
87-61-6	1,2,3-Trichlorobenzene	0.527	
1868-53-7	Dibromofluoromethane (S)	48.1	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	46.5	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c07.D
Date : 12-NOV-2010 05:16
Client ID: 5043009018
Sample Info: 5043009018
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c07.D

Date : 12-NOV-2010 05:16

Client ID: 5043009018

Instrument: 50MSV6.i

Sample Info: 5043009018

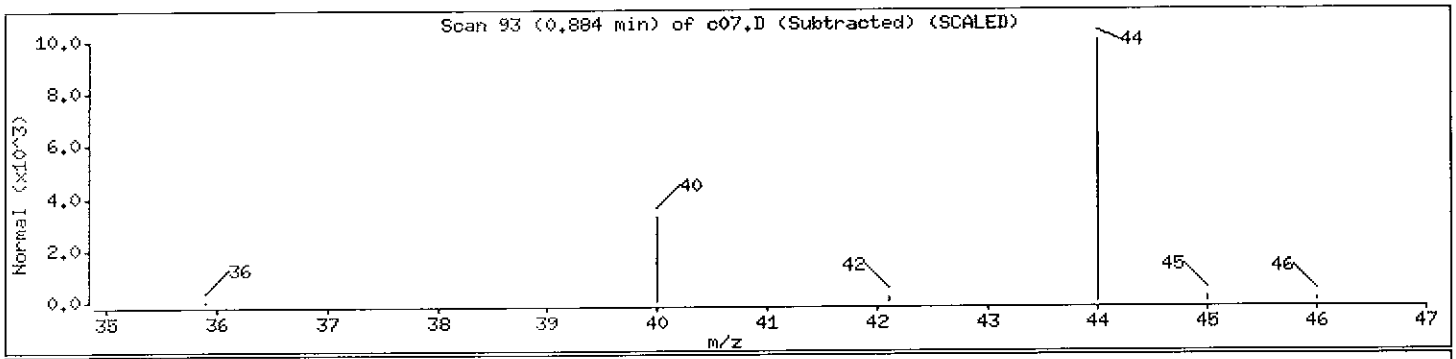
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c18.D
Lab Smp Id: 5043009019 Client Smp ID: 5043009019
Inj Date : 12-NOV-2010 12:08
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009019
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	13993	4.22937	4.23 (Q)
	11 1,1-Dichloroethene	96	1.665	1.665	(0.385)	22415	7.26726	7.27
	21 1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	9528	1.78565	1.78
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.681)	1191124	210.167	210
$	33 Dibromofluoromethane (S)	113	3.489	3.484	(0.807)	63291	47.5969	47.6
	39 Benzene	78	3.939	3.933	(0.911)	6212	0.30197	0.302
*	41 Fluorobenzene	96	4.324	4.318	(1.000)	259378	50.0000	
	42 Trichloroethene	95	4.762	4.746	(1.101)	11985509	2061.66	2060
$	51 Toluene-d8	98	6.073	6.068	(0.835)	243447	51.9251	51.9
	52 Toluene	91	6.143	6.132	(0.844)	208202	7.42738	7.43
	56 Tetrachloroethene	166	6.624	6.613	(0.910)	27204197	4493.11	4490
*	61 Chlorobenzene-d5	117	7.277	7.271	(1.000)	172755	50.0000	
	62 Chlorobenzene	112	7.293	7.293	(1.002)	30615	2.37362	2.37
	64 Ethylbenzene	106	7.368	7.362	(1.012)	2248	0.34727	0.347
	65 m&p-Xylene	106	7.448	7.453	(1.024)	10618	1.33270	1.33
	67 o-Xylene	106	7.683	7.683	(1.056)	7042	0.85571	0.856
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	84318	49.4497	49.4
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	90305	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c18.D
Lab Smp Id: 5043009019
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009019
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	259378	9.27
61 Chlorobenzene-d5	157497	78749	314994	172755	9.69
85 1,4-Dichlorobenze	79662	39831	159324	90305	13.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.13
61 Chlorobenzene-d5	7.27	6.77	7.77	7.28	0.07
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009019
Client Smp ID: 5043009019
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	47.6	95.19	80-123
$ 51 Toluene-d8	50.0	51.9	103.85	80-116
$ 72 4-Bromofluorobenze	50.0	49.4	98.90	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009019
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

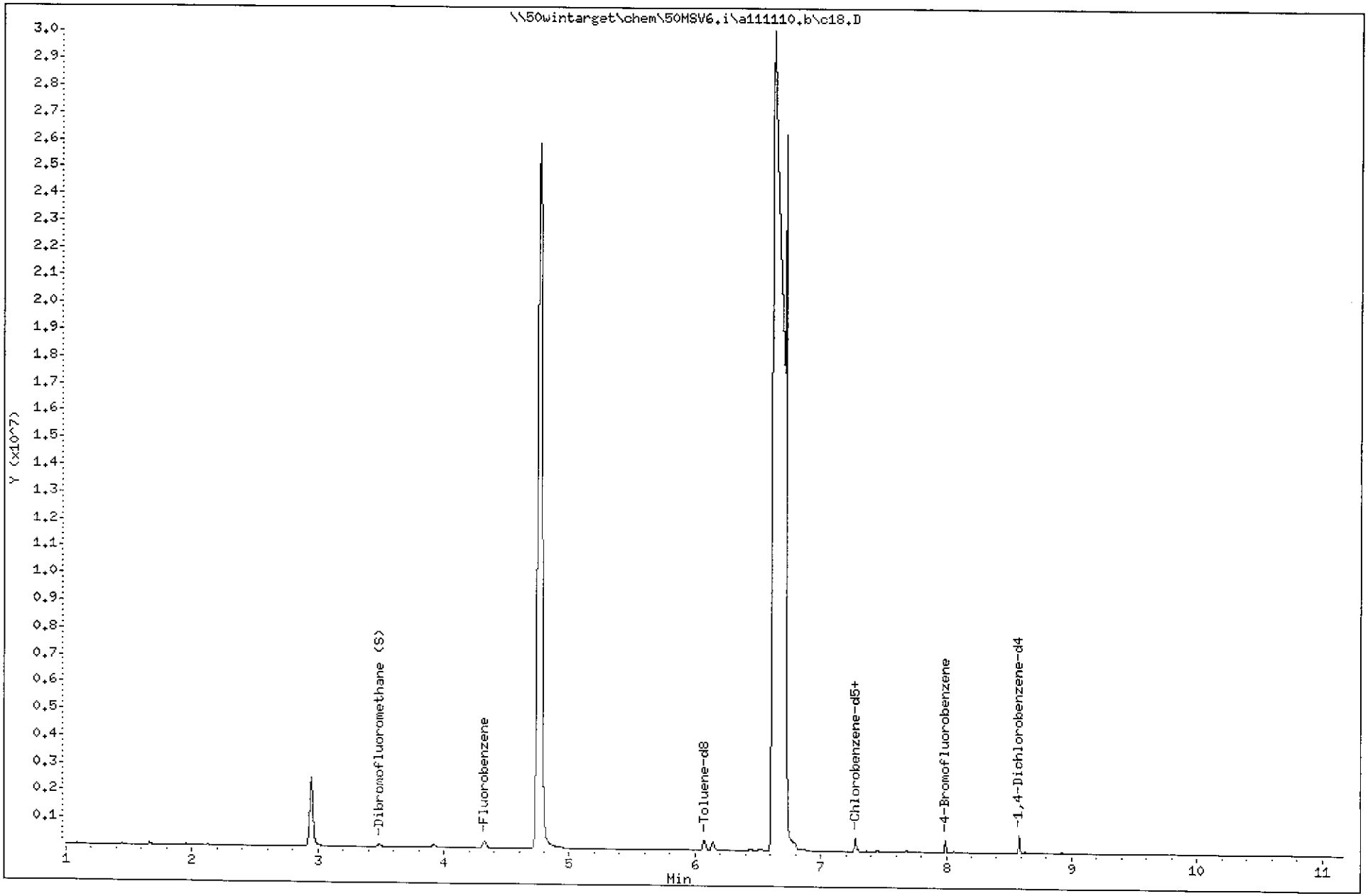
Client SDG: a111110.b
Client Smp ID: 5043009019
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	4.23	
75-35-4	1,1-Dichloroethene	7.27	
156-60-5	1,2-Dichloroethene (trans)	1.78	
156-59-2	1,2-Dichloroethene (cis)	210	
71-43-2	Benzene	0.302	
79-01-6	Trichloroethene	2060	
108-88-3	Toluene	7.43	
127-18-4	Tetrachloroethene	4490	
108-90-7	Chlorobenzene	2.37	
100-41-4	Ethylbenzene	0.347	
7816-60-0	m&p-Xylene	1.33	
95-47-6	o-Xylene	0.856	
1868-53-7	Dibromofluoromethane (S)	47.6	
2037-26-5	Toluene-d8	51.9	
460-00-4	4-Bromofluorobenzene	49.4	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c18.D
Date : 12-NOV-2010 12:08
Client ID: 5043009019
Sample Info: 5043009019
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c18.D

Date : 12-NOV-2010 12:08

Client ID: 5043009019

Instrument: 50MSV6.i

Sample Info: 5043009019

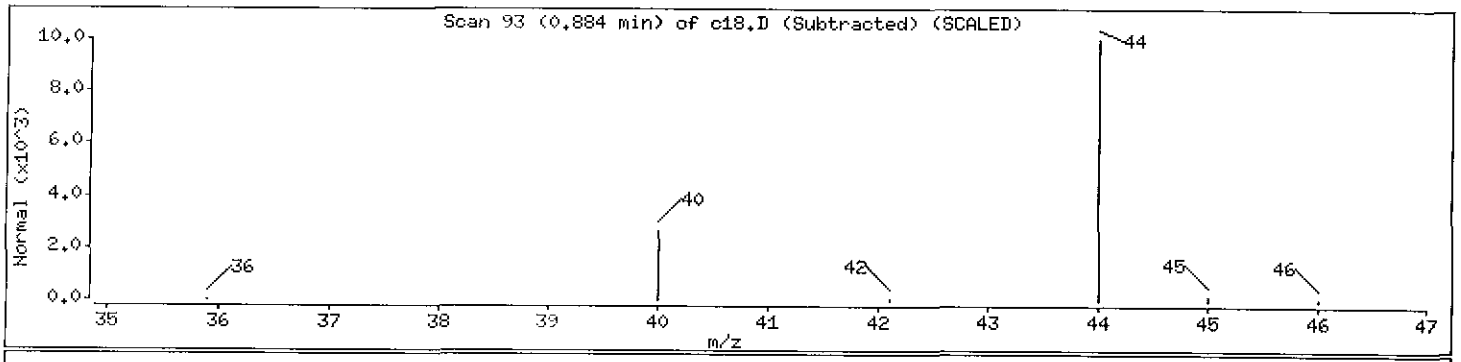
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111210.b\a04.D
Lab Smp Id: 5043009019 Client Smp ID: 5043009019
Inj Date : 12-NOV-2010 16:17
Operator : jlf Inst ID: 50MSV6.i
Smp Info : r5043009019-lvl4,250
Misc Info : 28206
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Meth Date : 15-Nov-2010 10:17 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 250.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	250.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	19 Acrylonitrile	53	2.104	2.098	(0.487)	1295	0.81814	204
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	4540	0.88558	221
	32 Chloroform	83	3.302	3.302	(0.765)	2349	0.26221	65.6
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58133	48.3306	48.3
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	234623	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	68179	12.9650	3240
$	51 Toluene-d8	98	6.068	6.068	(0.834)	206411	51.2351	51.2
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	1196745	230.025	57500
*	61 Chlorobenzene-d5	117	7.272	7.271	(1.000)	148446	50.0000	
	65 m&p-Xylene	106	7.448	7.453	(1.024)	2310	0.33741	84.4
$	72 4-Bromofluorobenzene	95	7.994	7.993	(1.099)	69169	47.2082	47.2
	83 1,3-Dichlorobenzene	146	8.545	8.544	(0.996)	1598	0.17643	44.1(Q)
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	85247	50.0000	(Q)
	86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	2169	0.23506	58.8(Q)
	88 1,2-Dichlorobenzene	146	8.764	8.764	(1.021)	1222	0.13947	34.9(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a04.D
Lab Smp Id: 5043009019
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28206

Calibration Date: 12-NOV-2010
Calibration Time: 14:25
Client Smp ID: 5043009019
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	221037	110519	442074	234623	6.15
61 Chlorobenzene-d5	150814	75407	301628	148446	-1.57
85 1,4-Dichlorobenze	77535	38768	155070	85247	9.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.01
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111210.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009019 Client Smp ID: 5043009019
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28206

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.3	96.66	80-123
$ 51 Toluene-d8	50.0	51.2	102.47	80-116
$ 72 4-Bromofluorobenze	50.0	47.2	94.42	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009019
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28206

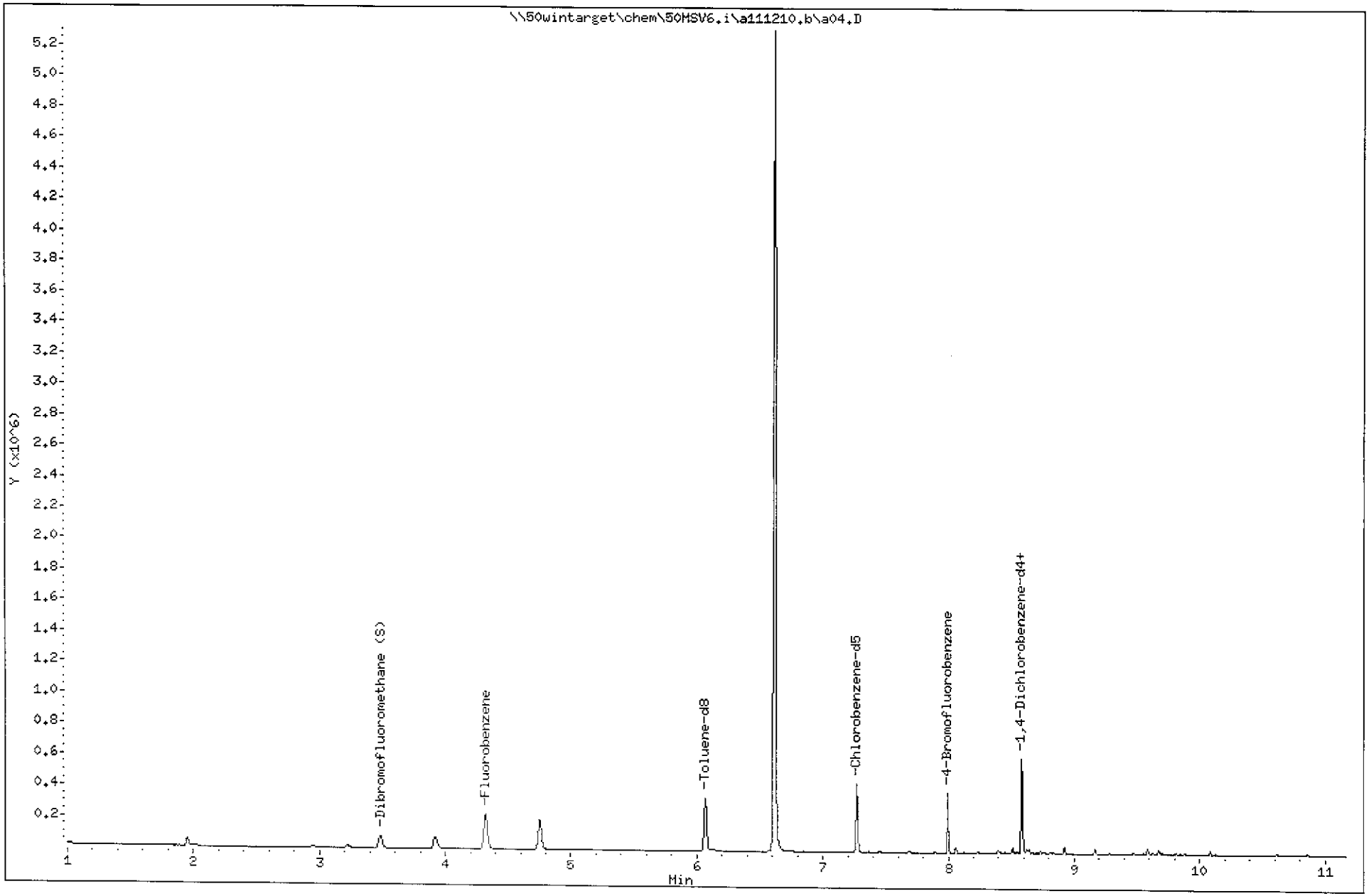
Client SDG: a111210.b
Client Smp ID: 5043009019
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	204	
156-59-2	1,2-Dichloroethene (cis)	221	
67-66-3	Chloroform	65.6	
79-01-6	Trichloroethene	3240	
127-18-4	Tetrachloroethene	57500	
7816-60-0	m&p-Xylene	84.4	
541-73-1	1,3-Dichlorobenzene	44.1	
106-46-7	1,4-Dichlorobenzene	58.8	
95-50-1	1,2-Dichlorobenzene	34.9	
1868-53-7	Dibromofluoromethane (S)	48.3	
2037-26-5	Toluene-d8	51.2	
460-00-4	4-Bromofluorobenzene	47.2	

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a04.D
Date : 12-NOV-2010 16:17
Client ID: 5043009019
Sample Info: r5043009019-lv14,250
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a04.D

Date : 12-NOV-2010 16:17

Client ID: 5043009019

Instrument: 50MSV6.i

Sample Info: r5043009019-lvl4,250

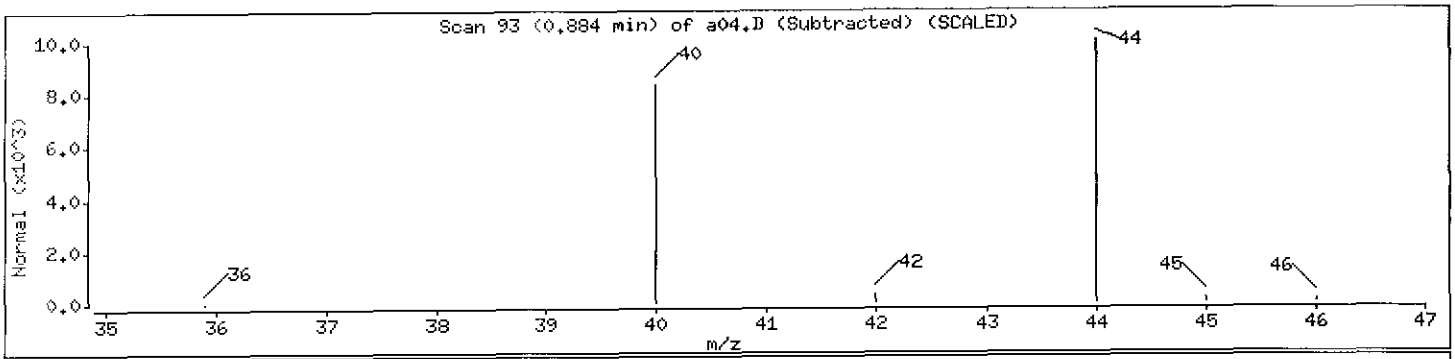
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c08.D
Lab Smp Id: 5043009020 Client Smp ID: 5043009020
Inj Date : 12-NOV-2010 05:53
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009020
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	62575	49.0287	49.0
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	248955	50.0000	
42 Trichloroethene	95	4.752	4.746	(1.100)	15995	2.86653	2.87
$ 51 Toluene-d8	98	6.068	6.068	(0.834)	220775	50.2081	50.2
56 Tetrachloroethene	166	6.619	6.613	(0.910)	309268	54.4625	54.5
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	162024	50.0000	
$ 72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	73881	46.1985	46.2
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	90574	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	1442	0.14708	0.147(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c08.D
Lab Smp Id: 5043009020
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009020
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	248955	4.88
61 Chlorobenzene-d5	157497	78749	314994	162024	2.87
85 1,4-Dichlorobenze	79662	39831	159324	90574	13.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009020
Client Smp ID: 5043009020
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.0	98.06	80-123
$ 51 Toluene-d8	50.0	50.2	100.42	80-116
$ 72 4-Bromofluorobenze	50.0	46.2	92.40	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

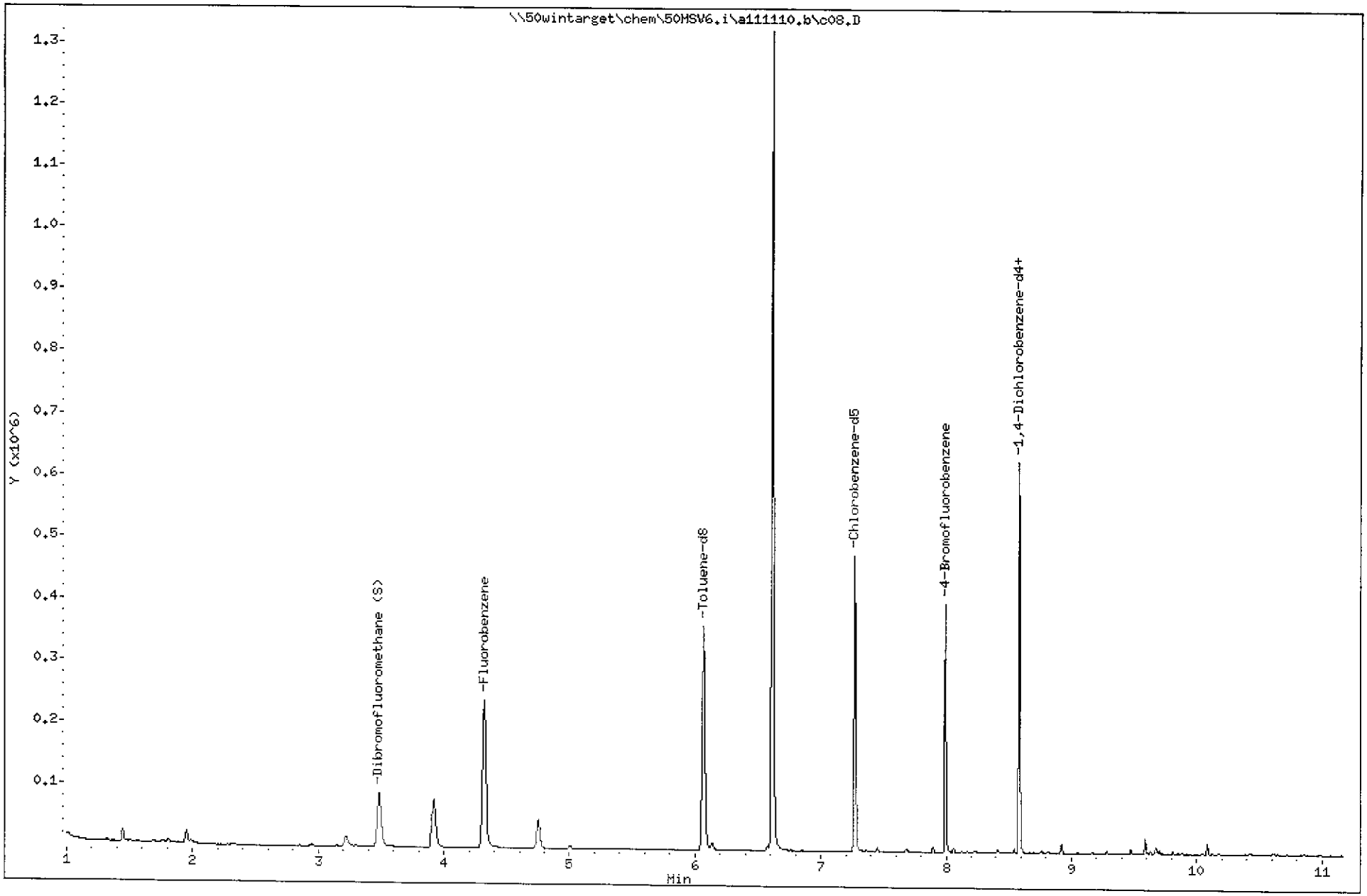
Client Name:
Lab Smp Id: 5043009020
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009020
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	2.87	
127-18-4	Tetrachloroethene	54.5	
106-46-7	1,4-Dichlorobenzene	0.147	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	46.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c08.D
Date : 12-NOV-2010 05:53
Client ID: 5043009020
Sample Info: 5043009020
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c08.D

Date : 12-NOV-2010 05:53

Client ID: 5043009020

Instrument: 50MSV6.i

Sample Info: 5043009020

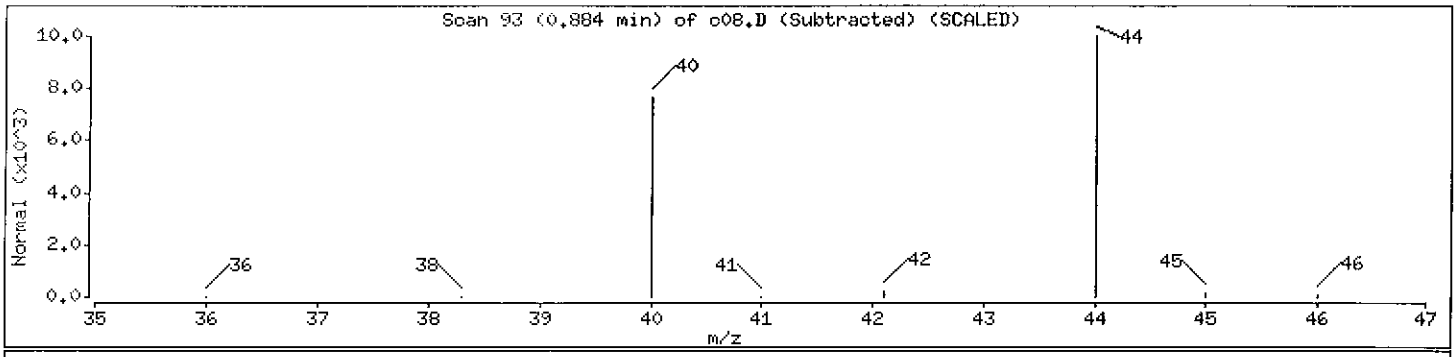
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c09.D
Lab Smp Id: 5043009021 Client Smp ID: 5043009021
Inj Date : 12-NOV-2010 06:31
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009021
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	8880	3.13286	3.13	
	11 1,1-Dichloroethene	96	1.665	1.665	(0.386)	4197	1.49502	1.50	
	21 1,2-Dichloroethene (trans)	96	2.125	2.125	(0.492)	19509	4.01705	4.02	
	26 1,2-Dichloroethene (cis)	96	2.938	2.943	(0.680)	805987	156.248	156	
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58369	48.2277	48.2	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	236078	50.0000		
	42 Trichloroethene	95	4.752	4.746	(1.100)	3532719	667.646	668	
$	51 Toluene-d8	98	6.062	6.068	(0.834)	209820	51.2173	51.2	
	56 Tetrachloroethene	166	6.619	6.613	(0.910)	3457324	653.505	654	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	150950	50.0000		
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	69145	46.4090	46.4	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	82410	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c09.D
Lab Smp Id: 5043009021
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009021
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	236078	-0.54
61 Chlorobenzene-d5	157497	78749	314994	150950	-4.16
85 1,4-Dichlorobenze	79662	39831	159324	82410	3.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009021
Client Smp ID: 5043009021
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.2	96.46	80-123
$ 51 Toluene-d8	50.0	51.2	102.43	80-116
$ 72 4-Bromofluorobenze	50.0	46.4	92.82	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

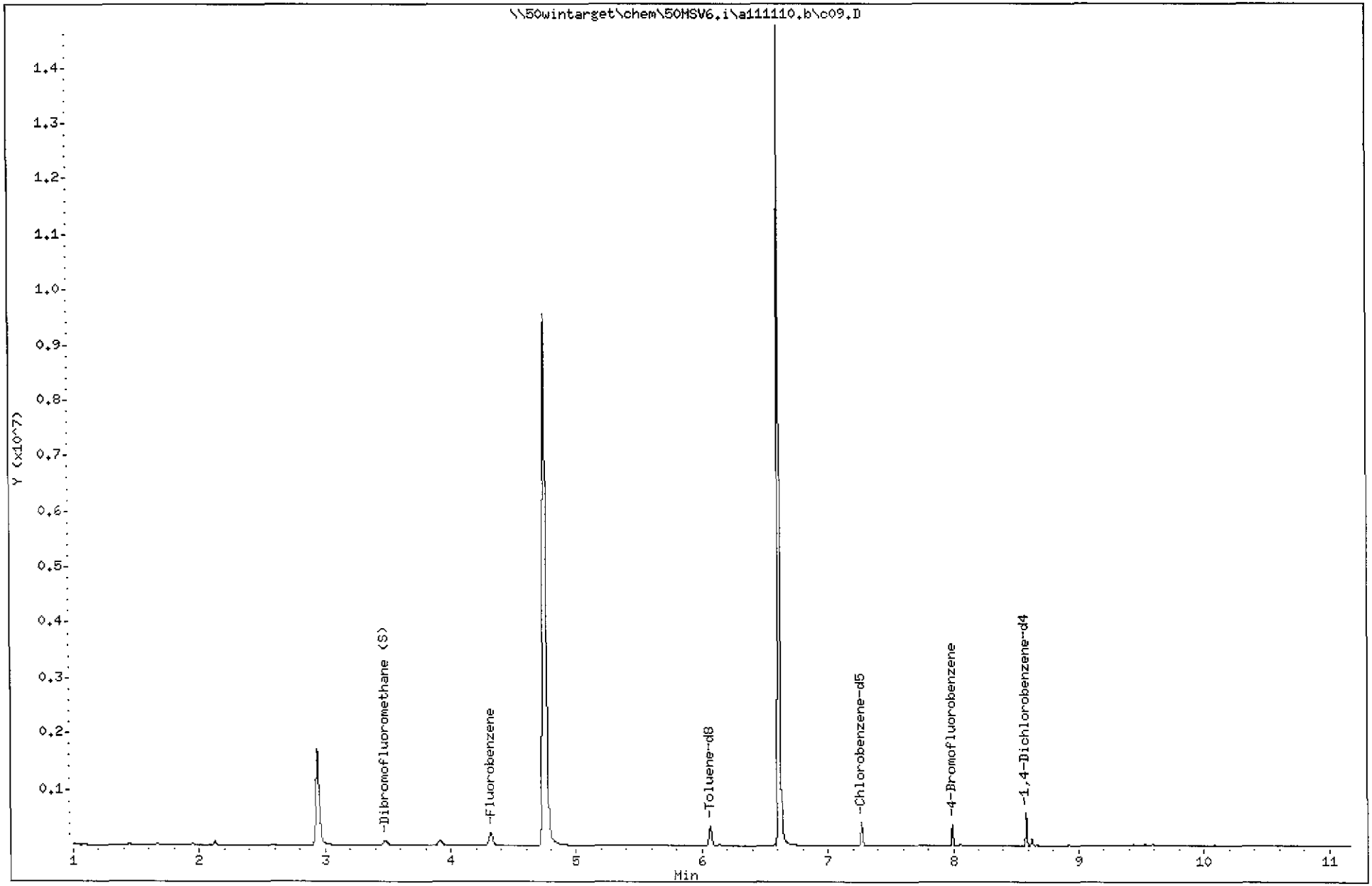
Client Name:
Lab Smp Id: 5043009021
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009021
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	3.13	
75-35-4	1,1-Dichloroethene	1.50	
156-60-5	1,2-Dichloroethene (trans)	4.02	
156-59-2	1,2-Dichloroethene (cis)	156	
79-01-6	Trichloroethene	668	
127-18-4	Tetrachloroethene	654	
1868-53-7	Dibromofluoromethane (S)	48.2	
2037-26-5	Toluene-d8	51.2	
460-00-4	4-Bromofluorobenzene	46.4	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c09.D
Date : 12-NOV-2010 06:31
Client ID: 5043009021
Sample Info: 5043009021
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c09.D

Date : 12-NOV-2010 06:31

Client ID: 5043009021

Instrument: 50MSV6.i

Sample Info: 5043009021

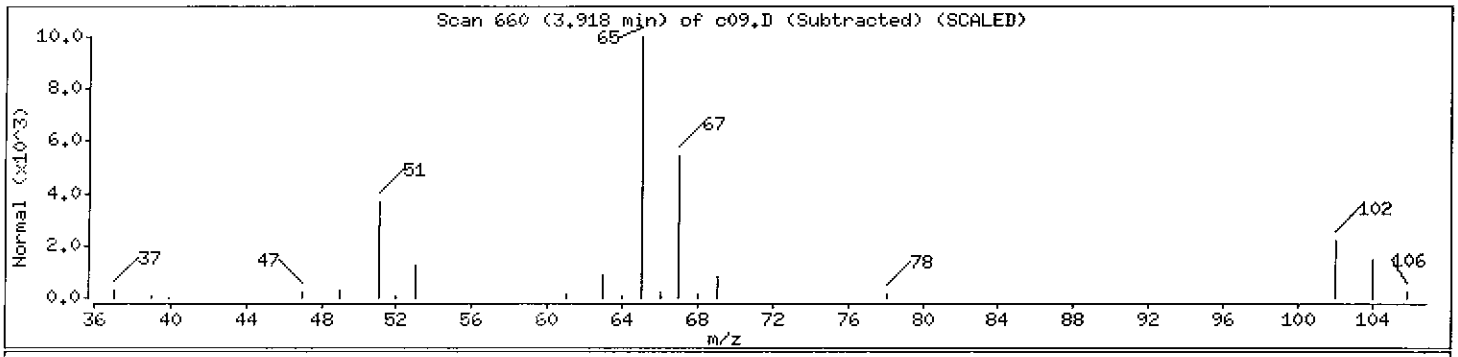
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111210.b\a06.D
Lab Smp Id: 5043009021 Client Smp ID: 5043009021
Inj Date : 12-NOV-2010 17:32
Operator : jlf Inst ID: 50MSV6.i
Smp Info : r5043009021,10
Misc Info : 28206
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Meth Date : 15-Nov-2010 10:17 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	21 1,2-Dichloroethene (trans)	96	2.130	2.125	(0.493)	2505	0.53069	5.31
	26 1,2-Dichloroethene (cis)	96	2.943	2.943	(0.682)	81813	16.3182	163
	32 Chloroform	83	3.302	3.302	(0.765)	1596	0.18217	1.82
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57249	48.6683	48.7
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	229452	50.0000	
	42 Trichloroethene	95	4.746	4.746	(1.099)	379689	73.8294	738
$	51 Toluene-d8	98	6.062	6.068	(0.834)	200905	50.0728	50.1
	56 Tetrachloroethene	166	6.613	6.613	(0.910)	410320	79.1905	792
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	147840	50.0000	
$	72 4-Bromofluorobenzene	95	7.994	7.993	(1.099)	68726	47.0981	47.1
	81 1,2,4-Trimethylbenzene	105	8.405	8.405	(0.979)	2854	0.17369	1.74
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	85004	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: a06.D
Lab Smp Id: 5043009021
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28206

Calibration Date: 12-NOV-2010
Calibration Time: 14:25
Client Smp ID: 5043009021
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	221037	110519	442074	229452	3.81
61 Chlorobenzene-d5	150814	75407	301628	147840	-1.97
85 1,4-Dichlorobenze	77535	38768	155070	85004	9.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111210.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009021
Client Smp ID: 5043009021
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111210.b\-A8260SL_A_B.m
Misc Info: 28206

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.7	97.34	80-123
$ 51 Toluene-d8	50.0	50.1	100.15	80-116
$ 72 4-Bromofluorobenze	50.0	47.1	94.20	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

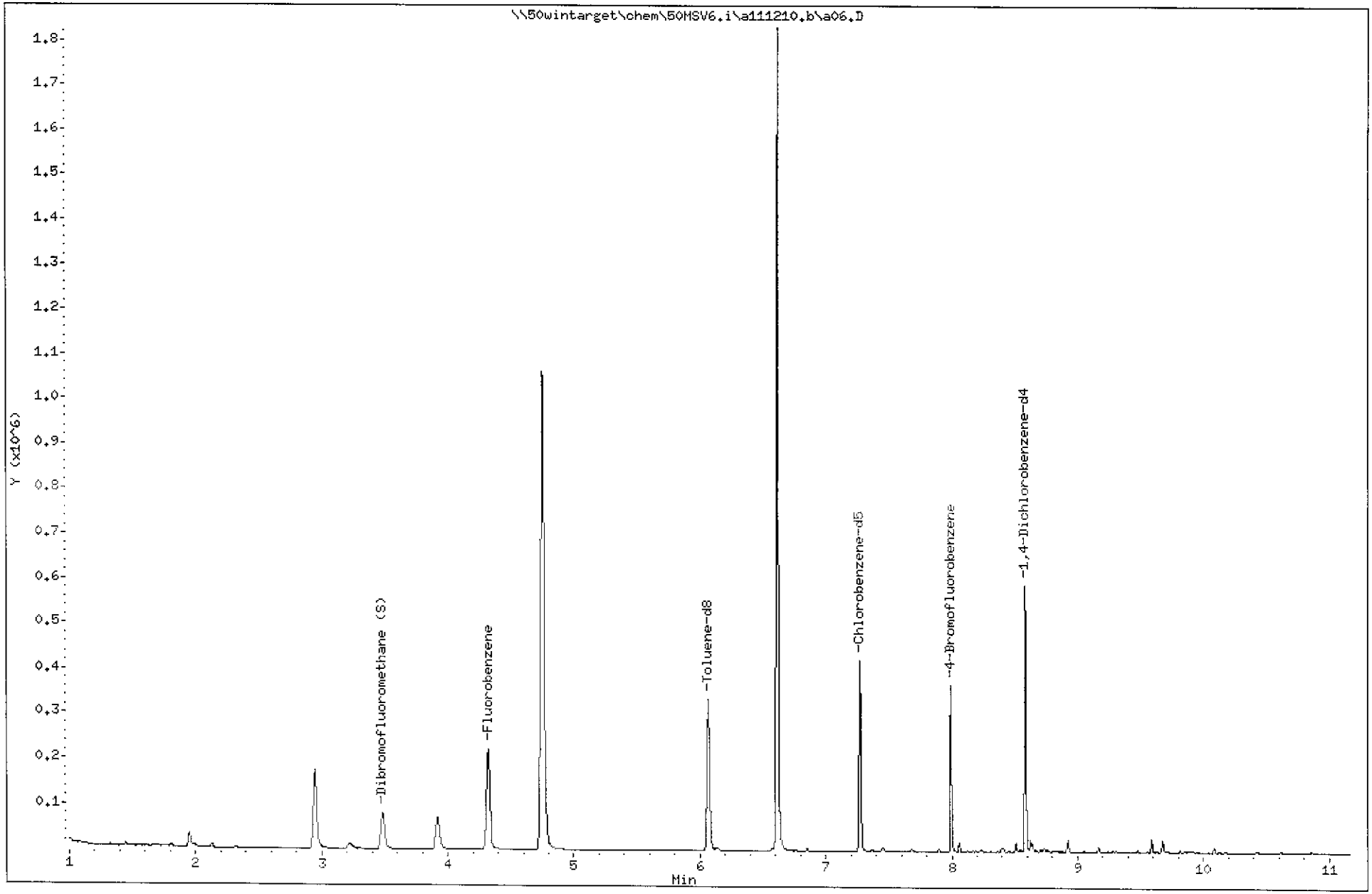
Client Name:
Lab Smp Id: 5043009021
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28206

Client SDG: a111210.b
Client Smp ID: 5043009021
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-60-5	1,2-Dichloroethene (trans)	5.31	
156-59-2	1,2-Dichloroethene (cis)	163	
67-66-3	Chloroform	1.82	
79-01-6	Trichloroethene	738	
127-18-4	Tetrachloroethene	792	
95-63-6	1,2,4-Trimethylbenzene	1.74	
1868-53-7	Dibromofluoromethane (S)	48.7	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	47.1	

Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a06.D
Date : 12-NOV-2010 17:32
Client ID: 5043009021
Sample Info: r5043009021,10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111210.b\a06.D

Date : 12-NOV-2010 17:32

Client ID: 5043009021

Instrument: 50MSV6.i

Sample Info: r5043009021,10

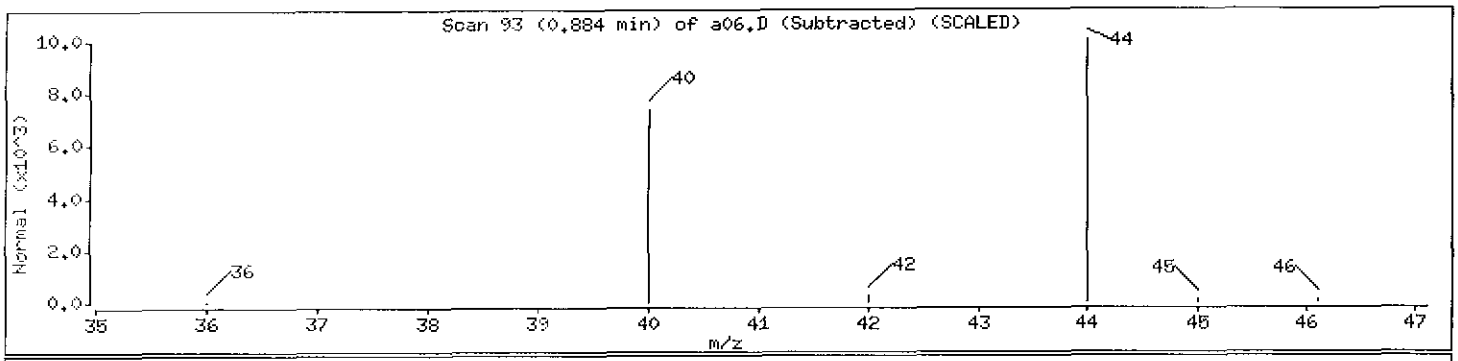
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c10.D
Lab Smp Id: 5043009022 Client Smp ID: 5043009022
Inj Date : 12-NOV-2010 07:08
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009022
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	56419	48.4573	48.4
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	227110	50.0000	
42 Trichloroethene	95	4.752	4.746	(1.100)	2411	0.47365	0.474
$ 51 Toluene-d8	98	6.068	6.068	(0.834)	195436	50.6738	50.7
56 Tetrachloroethene	166	6.613	6.613	(0.910)	3357	0.67401	0.674
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	142110	50.0000	
$ 72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	64719	46.1404	46.1
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	81336	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c10.D
Lab Smp Id: 5043009022
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009022
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	227110	-4.32
61 Chlorobenzene-d5	157497	78749	314994	142110	-9.77
85 1,4-Dichlorobenze	79662	39831	159324	81336	2.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009022
Client Smp ID: 5043009022
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.4	96.91	80-123
$ 51 Toluene-d8	50.0	50.7	101.35	80-116
$ 72 4-Bromofluorobenze	50.0	46.1	92.28	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

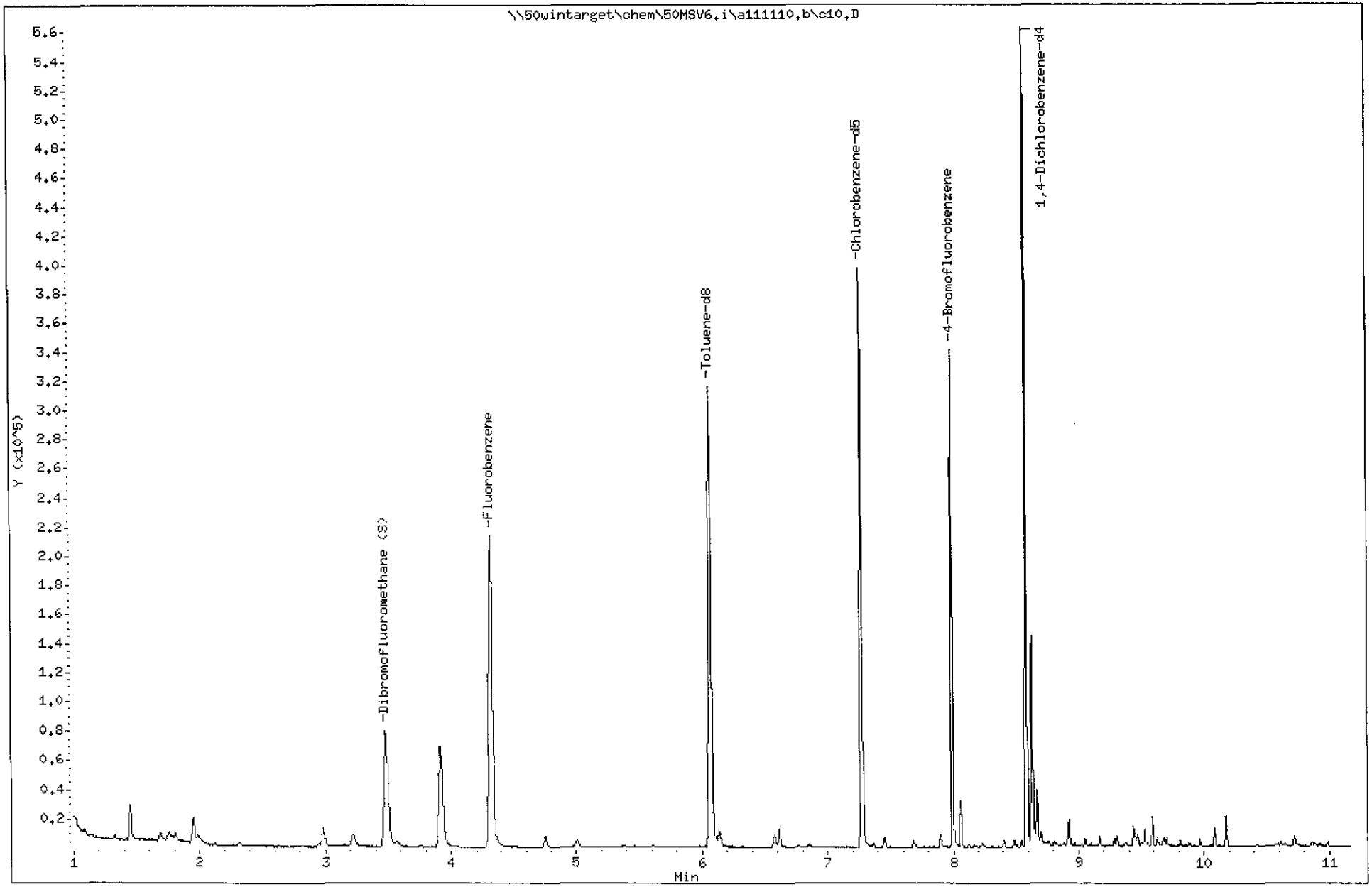
Client Name:
Lab Smp Id: 5043009022
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009022
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	0.474	
127-18-4	Tetrachloroethene	0.674	
1868-53-7	Dibromofluoromethane (S)	48.4	
2037-26-5	Toluene-d8	50.7	
460-00-4	4-Bromofluorobenzene	46.1	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c10.D
Date : 12-NOV-2010 07:08
Client ID: 5043009022
Sample Info: 5043009022
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c10.D

Date : 12-NOV-2010 07:08

Client ID: 5043009022

Instrument: 50MSV6.i

Sample Info: 5043009022

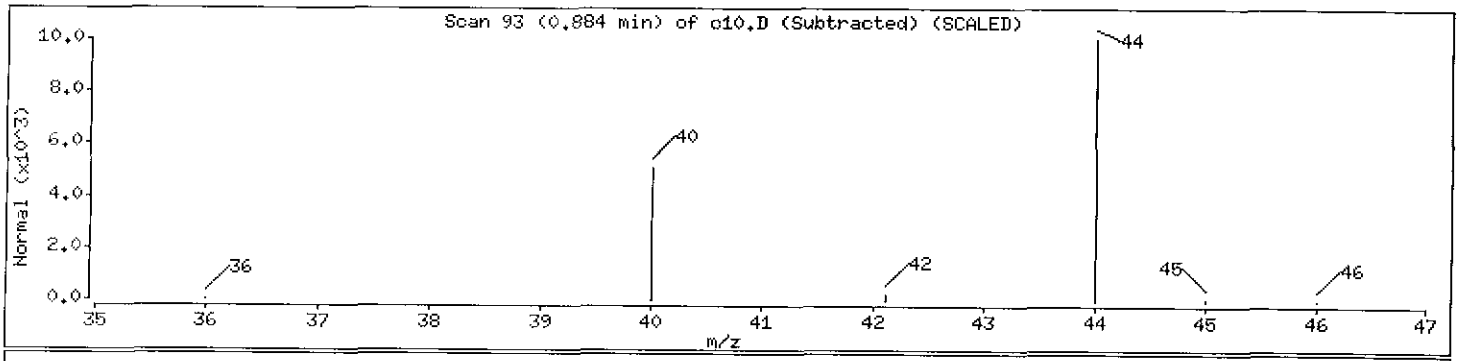
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c11.D
Lab Smp Id: 5043009023 Client Smp ID: 5043009023
Inj Date : 12-NOV-2010 07:46
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009023
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
	3 Vinyl Chloride	62	1.087	1.087	(0.252)	17625	5.75387	5.75	
	12 Acetone	43	1.686	1.686	(0.391)	23808	5.42375	5.42	
	23 1,1-Dichloroethane	63	2.446	2.446	(0.566)	14574	1.74739	1.75	
	26 1,2-Dichloroethene (cis)	96	2.944	2.943	(0.682)	9732	1.93717	1.94	
$	33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57528	48.8059	48.8	
	39 Benzene	78	3.933	3.933	(0.911)	13147	0.72097	0.721	
*	41 Fluorobenzene	96	4.318	4.318	(1.000)	229920	50.0000		
	42 Trichloroethene	95	4.746	4.746	(1.099)	1411	0.27381	0.274	
$	51 Toluene-d8	98	6.062	6.068	(0.834)	202523	50.3841	50.4	
*	61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	148110	50.0000		
	65 m&p-Xylene	106	7.453	7.453	(1.025)	2617	0.38312	0.383	
$	72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	68052	46.5512	46.6	
	81 1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	2995	0.18706	0.187	
*	85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	82829	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c11.D
Lab Smp Id: 5043009023
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009023
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	229920	-3.14
61 Chlorobenzene-d5	157497	78749	314994	148110	-5.96
85 1,4-Dichlorobenze	79662	39831	159324	82829	3.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009023
Client Smp ID: 5043009023
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.8	97.61	80-123
$ 51 Toluene-d8	50.0	50.4	100.77	80-116
$ 72 4-Bromofluorobenze	50.0	46.6	93.10	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

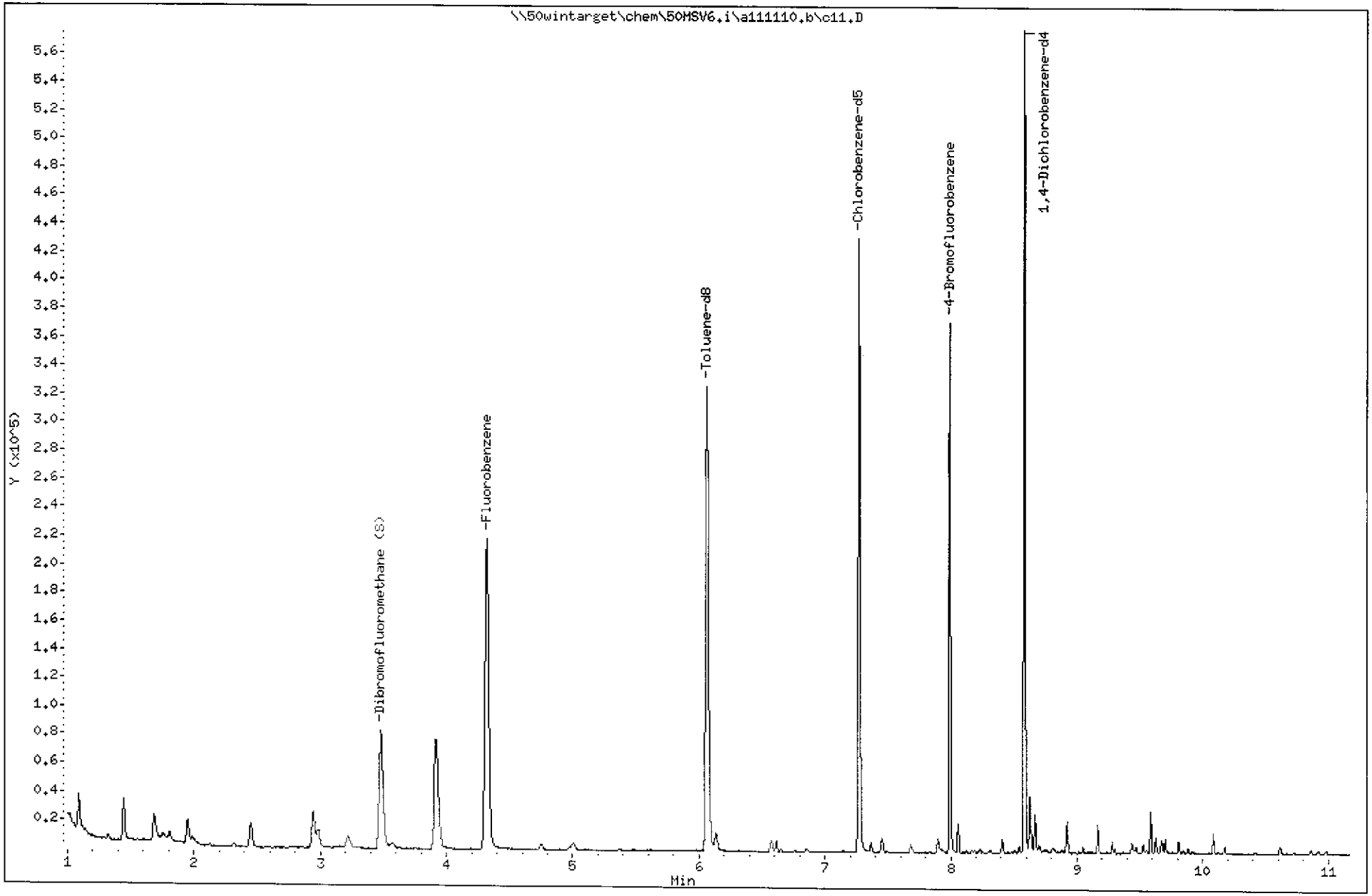
Client Name:
Lab Smp Id: 5043009023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a111110.b
Client Smp ID: 5043009023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	5.75	
67-64-1	Acetone	5.42	
75-34-3	1,1-Dichloroethane	1.75	
156-59-2	1,2-Dichloroethene (cis)	1.94	
71-43-2	Benzene	0.721	
79-01-6	Trichloroethene	0.274	
7816-60-0	m&p-Xylene	0.383	
95-63-6	1,2,4-Trimethylbenzene	0.187	
1868-53-7	Dibromofluoromethane (S)	48.8	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	46.6	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c11.D
Date : 12-NOV-2010 07:46
Client ID: 5043009023
Sample Info: 5043009023
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i
Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c11.D

Date : 12-NOV-2010 07:46

Client ID: 5043009023

Instrument: 50MSV6.i

Sample Info: 5043009023

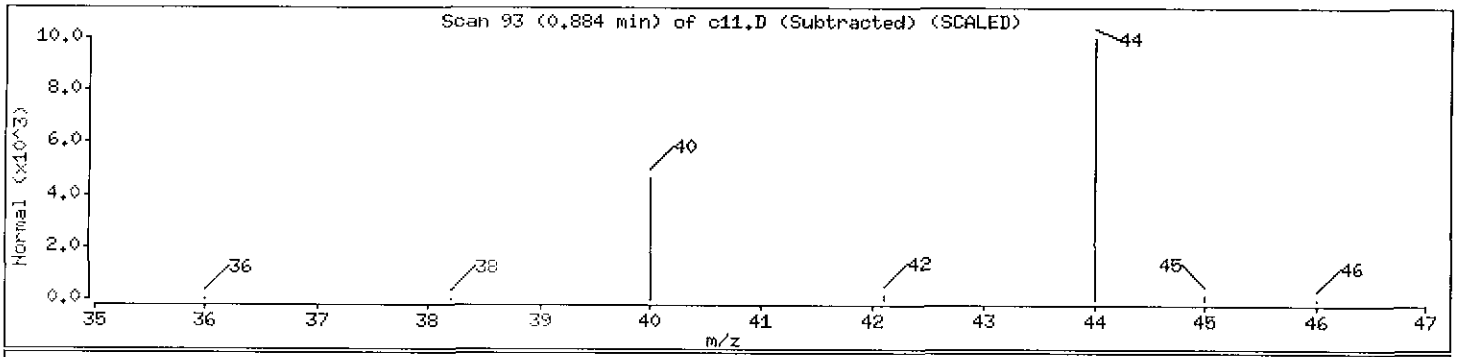
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c14.D
Lab Smp Id: 5043009024 Client Smp ID: 5043009024
Inj Date : 12-NOV-2010 09:38
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009024
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	2	Chloromethane	50	1.039	1.039	(0.241)	3217	0.77695	0.777
	19	Acrylonitrile	53	2.098	2.098	(0.486)	1982	1.25506	1.26
$	33	Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	58472	48.7246	48.7
	39	Benzene	78	3.939	3.933	(0.912)	14855	0.80015	0.800
*	41	Fluorobenzene	96	4.318	4.318	(1.000)	234083	50.0000	
$	51	Toluene-d8	98	6.062	6.068	(0.834)	211981	49.7518	49.8
*	61	Chlorobenzene-d5	117	7.271	7.271	(1.000)	156997	50.0000	
	64	Ethylbenzene	106	7.362	7.362	(1.013)	1198	0.20364	0.204
	65	m&p-Xylene	106	7.453	7.453	(1.025)	3074	0.42455	0.424
$	72	4-Bromofluorobenzene	95	7.994	7.994	(1.099)	70891	45.7482	45.7
	81	1,2,4-Trimethylbenzene	105	8.406	8.405	(0.979)	3493	0.20829	0.208
*	85	1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	86752	50.0000	(Q)
	86	1,4-Dichlorobenzene	146	8.598	8.598	(1.002)	1345	0.14323	0.143(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c14.D
Lab Smp Id: 5043009024
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009024
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	234083	-1.38
61 Chlorobenzene-d5	157497	78749	314994	156997	-0.32
85 1,4-Dichlorobenze	79662	39831	159324	86752	8.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009024 Client Smp ID: 5043009024
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.7	97.45	80-123
$ 51 Toluene-d8	50.0	49.8	99.50	80-116
$ 72 4-Bromofluorobenze	50.0	45.7	91.50	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009024
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

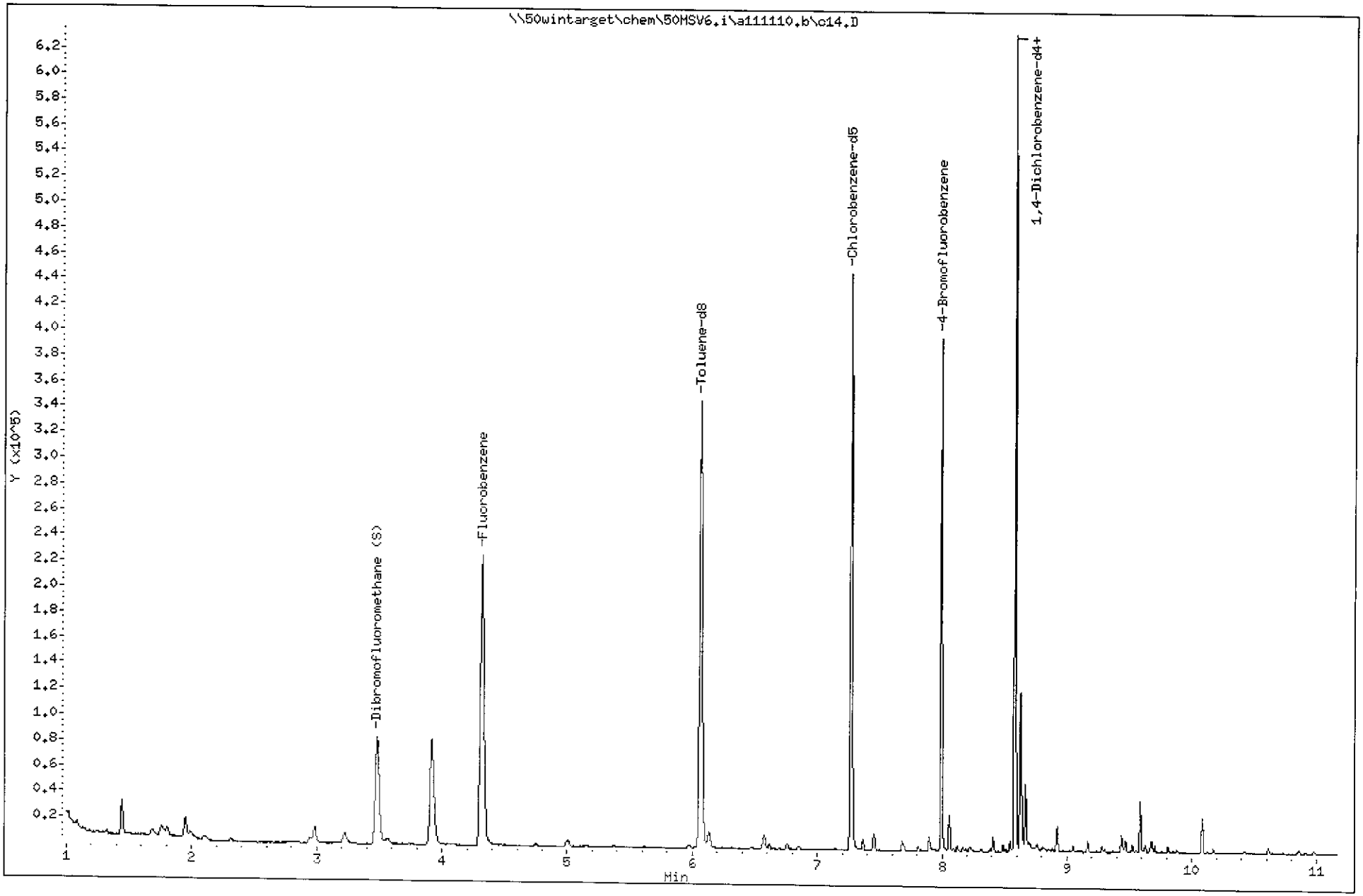
Client SDG: a111110.b
Client Smp ID: 5043009024
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-87-3	Chloromethane	0.777	
107-13-1	Acrylonitrile	1.26	
71-43-2	Benzene	0.800	
100-41-4	Ethylbenzene	0.204	
7816-60-0	m&p-Xylene	0.424	
95-63-6	1,2,4-Trimethylbenzene	0.208	
106-46-7	1,4-Dichlorobenzene	0.143	
1868-53-7	Dibromofluoromethane (S)	48.7	
2037-26-5	Toluene-d8	49.8	
460-00-4	4-Bromofluorobenzene	45.7	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c14.D
Date : 12-NOV-2010 09:38
Client ID: 5043009024
Sample Info: 5043009024
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c14.D

Date : 12-NOV-2010 09:38

Client ID: 5043009024

Instrument: 50MSV6.i

Sample Info: 5043009024

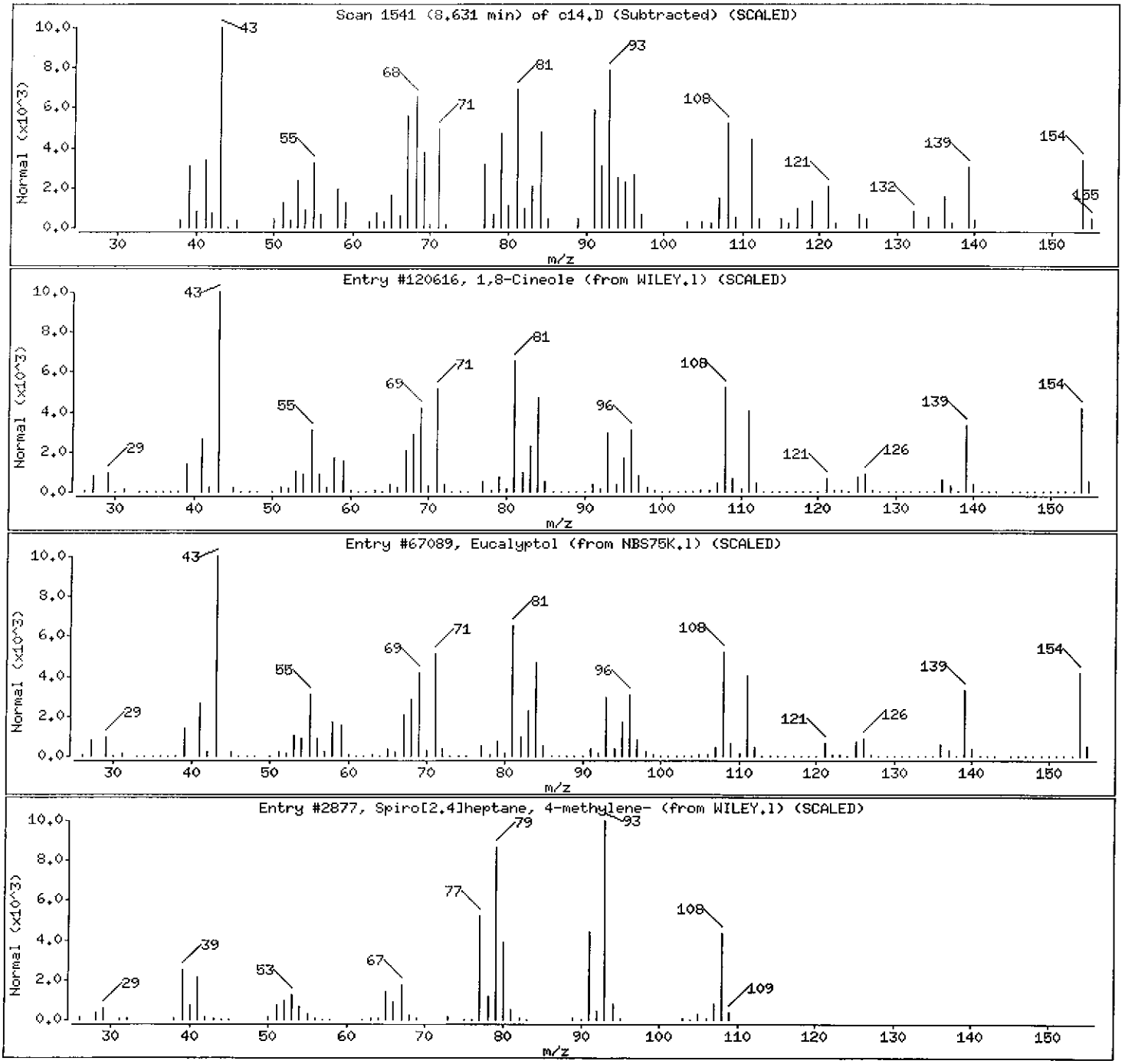
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,8-Cineole	470-82-6	WILEY.l	120616	96	C10H18O	154
Eucalyptol	470-82-6	NBS75K.l	67089	96	C10H18O	154
Spiro[2.4]heptane, 4-methylene-	24308-54-1	WILEY.l	2877	38	C8H12	108



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c15.D
Lab Smp Id: 5043009025 Client Smp ID: 5043009025
Inj Date : 12-NOV-2010 10:16
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009025
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57828	48.1698	48.2
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	234171	50.0000	
$ 51 Toluene-d8	98	6.062	6.068	(0.834)	210041	50.2073	50.2
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	154149	50.0000	
$ 72 4-Bromofluorobenzene	95	7.993	7.994	(1.099)	71393	46.9234	46.9
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	85393	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c15.D
Lab Smp Id: 5043009025
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009025
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	234171	-1.35
61 Chlorobenzene-d5	157497	78749	314994	154149	-2.13
85 1,4-Dichlorobenze	79662	39831	159324	85393	7.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	-0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	-0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009025 Client Smp ID: 5043009025
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.2	96.34	80-123
$ 51 Toluene-d8	50.0	50.2	100.41	80-116
$ 72 4-Bromofluorobenze	50.0	46.9	93.85	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009025
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

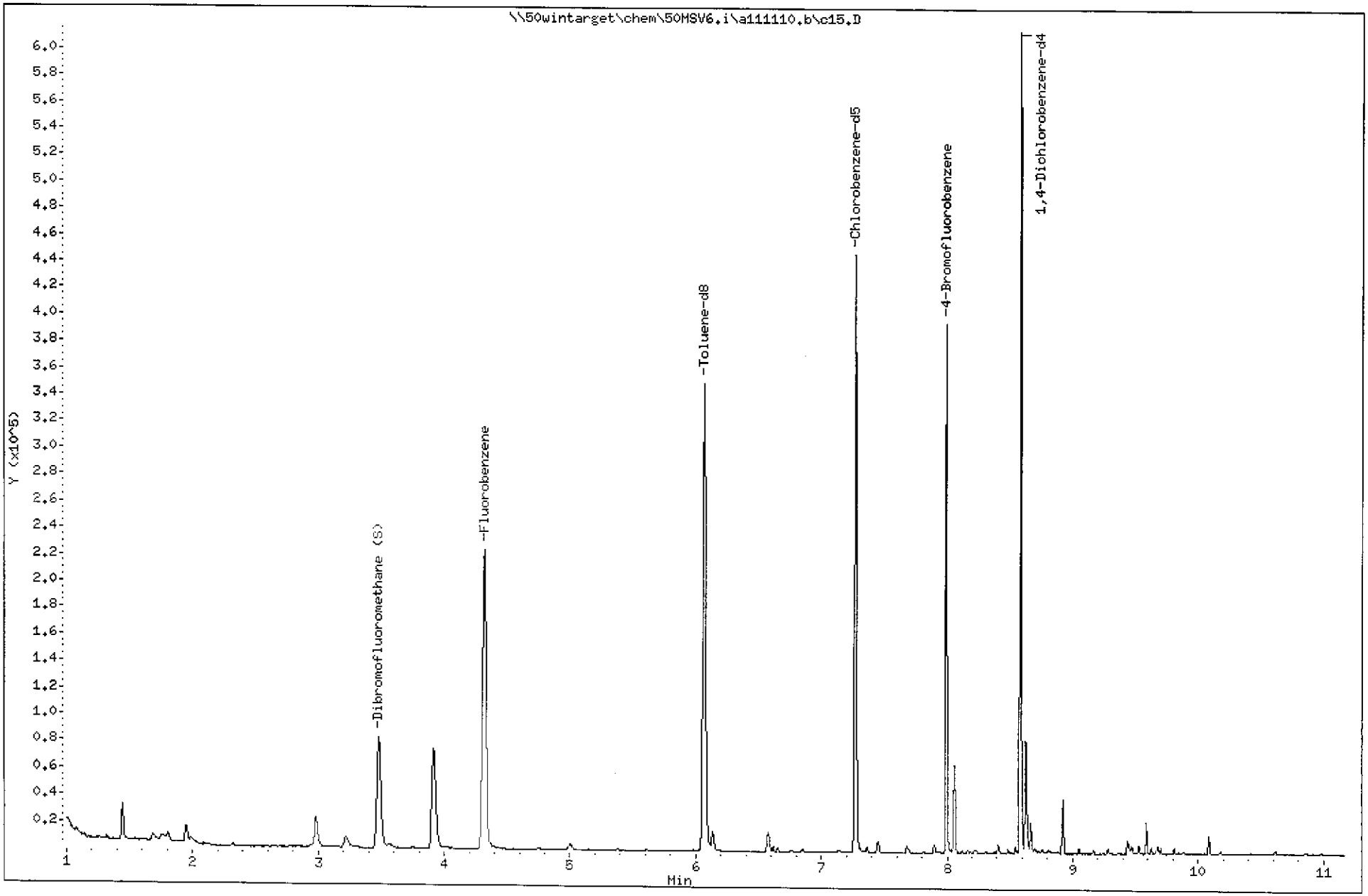
Client SDG: a111110.b
Client Smp ID: 5043009025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	48.2	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	46.9	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c15.D
Date : 12-NOV-2010 10:16
Client ID: 5043009025
Sample Info: 5043009025
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c15.D

Date : 12-NOV-2010 10:16

Client ID: 5043009025

Instrument: 50MSV6.i

Sample Info: 5043009025

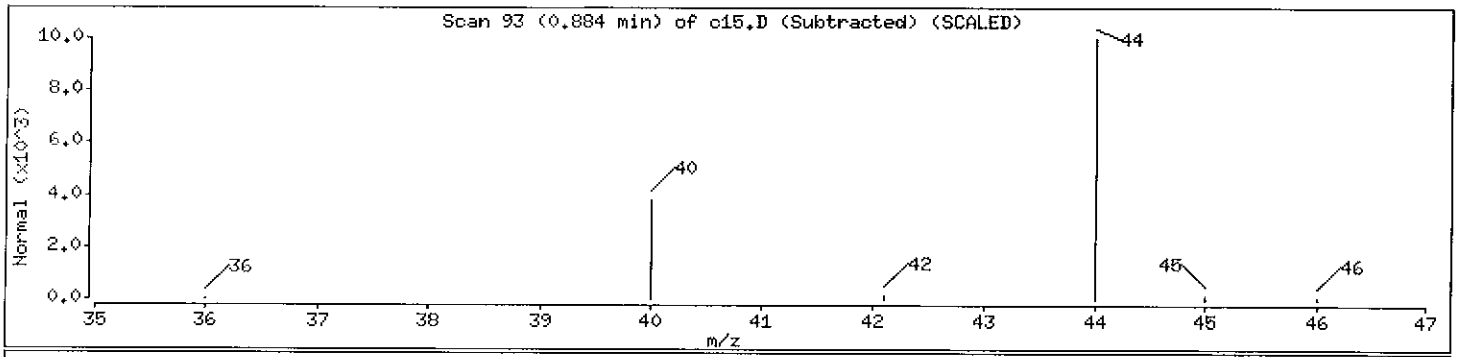
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c16.D
Lab Smp Id: 5043009026 Client Smp ID: 5043009026
Inj Date : 12-NOV-2010 10:53
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009026
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	59066	49.0275	49.0
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	235000	50.0000	
$ 51 Toluene-d8	98	6.062	6.068	(0.834)	210410	50.2632	50.3
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	154248	50.0000	
$ 72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	69712	45.7891	45.8
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	84736	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c16.D
Lab Smp Id: 5043009026
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009026
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	235000	-1.00
61 Chlorobenzene-d5	157497	78749	314994	154248	-2.06
85 1,4-Dichlorobenze	79662	39831	159324	84736	6.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: a111110.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043009026 Client Smp ID: 5043009026
Level: LOW Operator: jlf
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.0	98.05	80-123
$ 51 Toluene-d8	50.0	50.3	100.53	80-116
$ 72 4-Bromofluorobenze	50.0	45.8	91.58	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009026
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

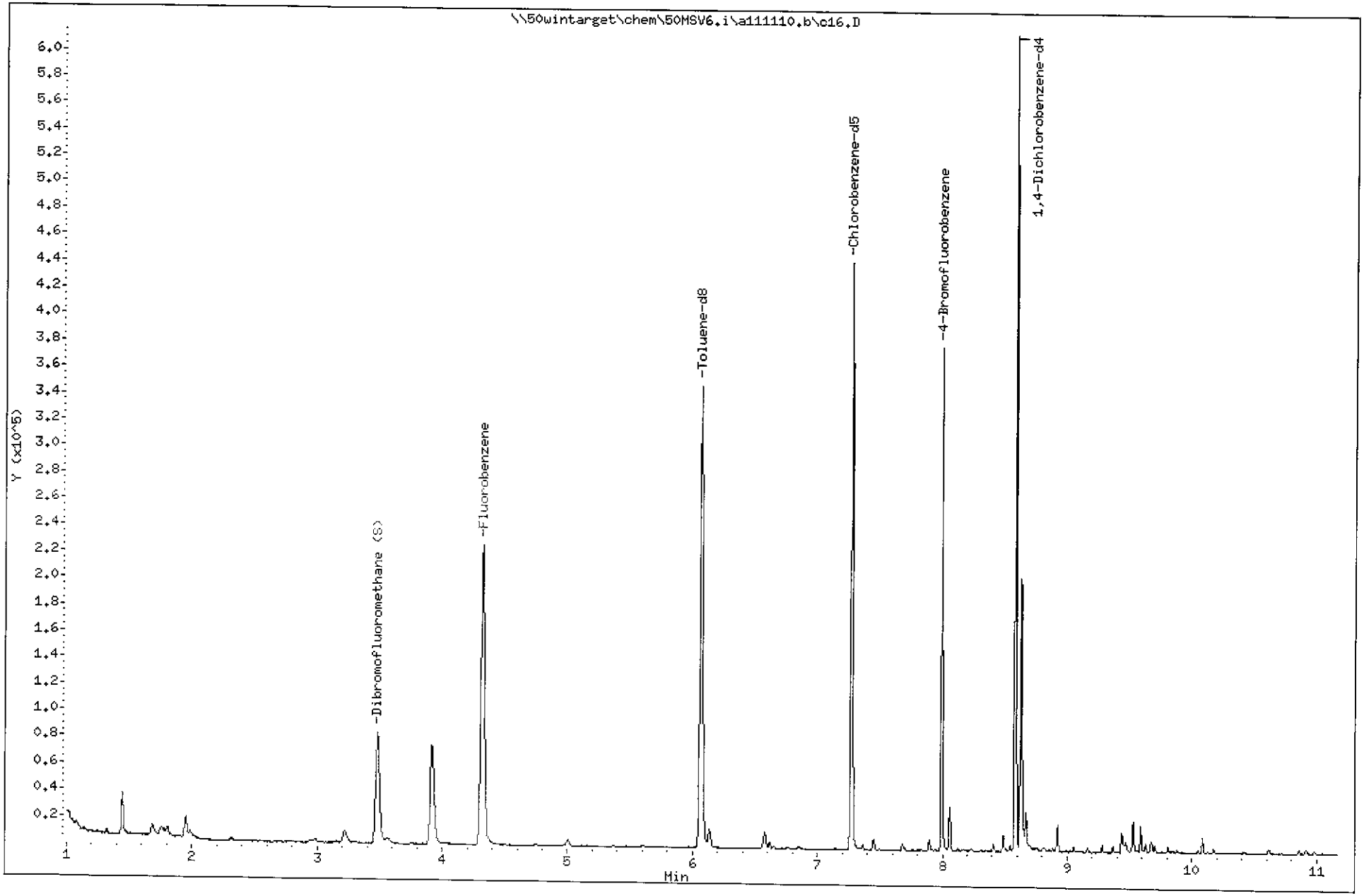
Client SDG: a111110.b
Client Smp ID: 5043009026
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	50.3	
460-00-4	4-Bromofluorobenzene	45.8	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c16.D
Date : 12-NOV-2010 10:53
Client ID: 5043009026
Sample Info: 5043009026
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c16.D

Date : 12-NOV-2010 10:53

Client ID: 5043009026

Instrument: 50MSV6.i

Sample Info: 5043009026

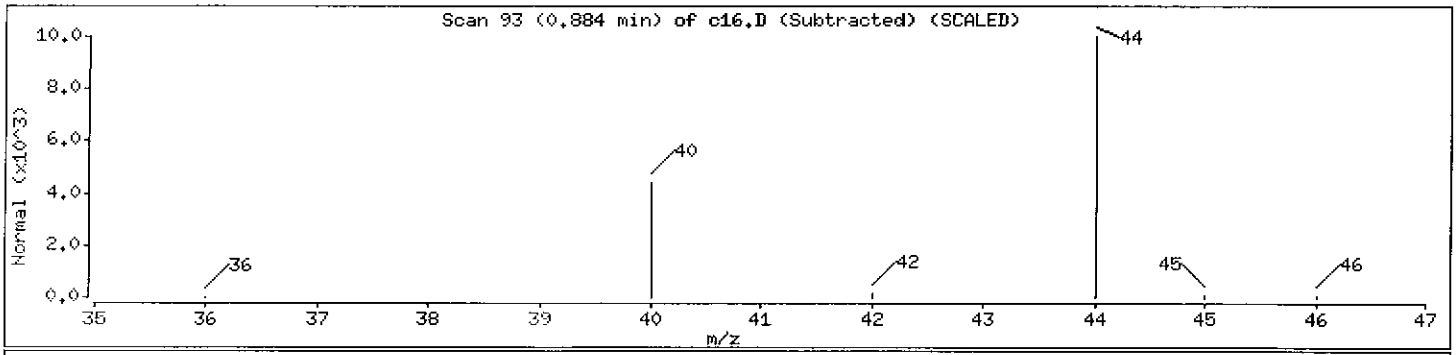
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Data file : \\50wintarget\chem\50MSV6.i\a111110.b\c17.D
Lab Smp Id: 5043009027 Client Smp ID: 5043009027
Inj Date : 12-NOV-2010 11:31
Operator : jlf Inst ID: 50MSV6.i
Smp Info : 5043009027
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Meth Date : 12-Nov-2010 13:01 jfislar Quant Type: ISTD
Cal Date : 05-NOV-2010 22:58 Cal File: a08cal.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-JLF

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.484	3.484	(0.807)	57549	47.2102	47.2
39 Benzene	78	3.933	3.933	(0.911)	20068	1.06415	1.06
* 41 Fluorobenzene	96	4.318	4.318	(1.000)	237778	50.0000	
$ 51 Toluene-d8	98	6.062	6.068	(0.834)	213564	50.0255	50.0
* 61 Chlorobenzene-d5	117	7.271	7.271	(1.000)	157304	50.0000	
$ 72 4-Bromofluorobenzene	95	7.994	7.994	(1.099)	71770	46.2251	46.2
* 85 1,4-Dichlorobenzene-d4	152	8.582	8.582	(1.000)	87330	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV6.i
Lab File ID: c17.D
Lab Smp Id: 5043009027
Analysis Type: VOA
Quant Type: ISTD
Operator: jlf
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

Calibration Date: 11-NOV-2010
Calibration Time: 13:02
Client Smp ID: 5043009027
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	237364	118682	474728	237778	0.17
61 Chlorobenzene-d5	157497	78749	314994	157304	-0.12
85 1,4-Dichlorobenze	79662	39831	159324	87330	9.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.32	3.82	4.82	4.32	0.00
61 Chlorobenzene-d5	7.27	6.77	7.77	7.27	0.00
85 1,4-Dichlorobenze	8.58	8.08	9.08	8.58	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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RECOVERY REPORT

Client Name:
Client SDG: a111110.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5043009027
Client Smp ID: 5043009027
Level: LOW
Operator: jlf
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV6.i\a111110.b\-A8260SL_A_B.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	47.2	94.42	80-123
$ 51 Toluene-d8	50.0	50.0	100.05	80-116
$ 72 4-Bromofluorobenze	50.0	46.2	92.45	70-126

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TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5043009027
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

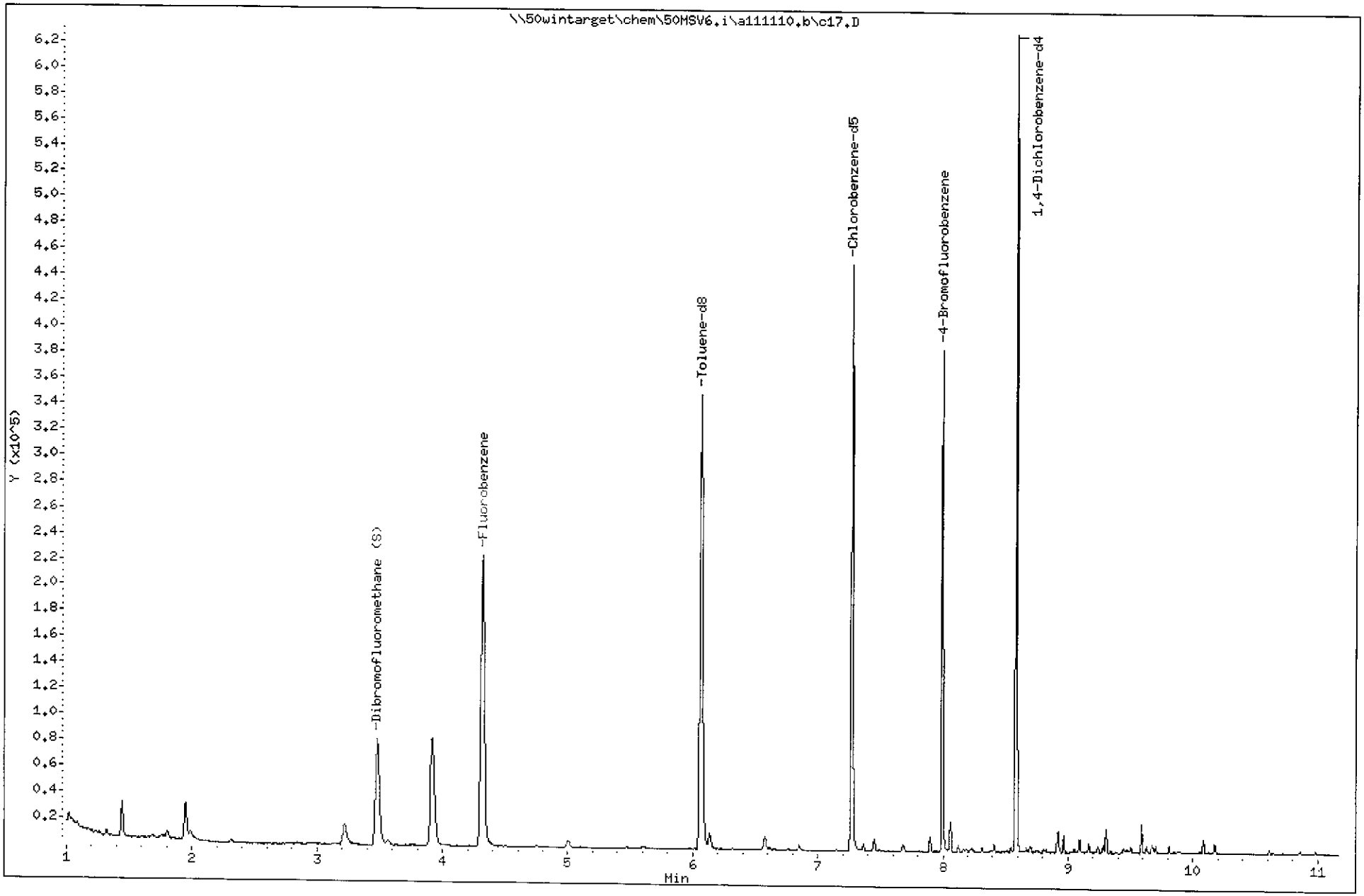
Client SDG: a111110.b
Client Smp ID: 5043009027
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: jlf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
71-43-2	Benzene	1.06	
1868-53-7	Dibromofluoromethane (S)	47.2	
2037-26-5	Toluene-d8	50.0	
460-00-4	4-Bromofluorobenzene	46.2	

Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c17.D
Date : 12-NOV-2010 11:31
Client ID: 5043009027
Sample Info: 5043009027
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV6.i

Operator: jlf
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV6.i\a111110.b\c17.D

Date : 12-NOV-2010 11:31

Client ID: 5043009027

Instrument: 50MSV6.i

Sample Info: 5043009027

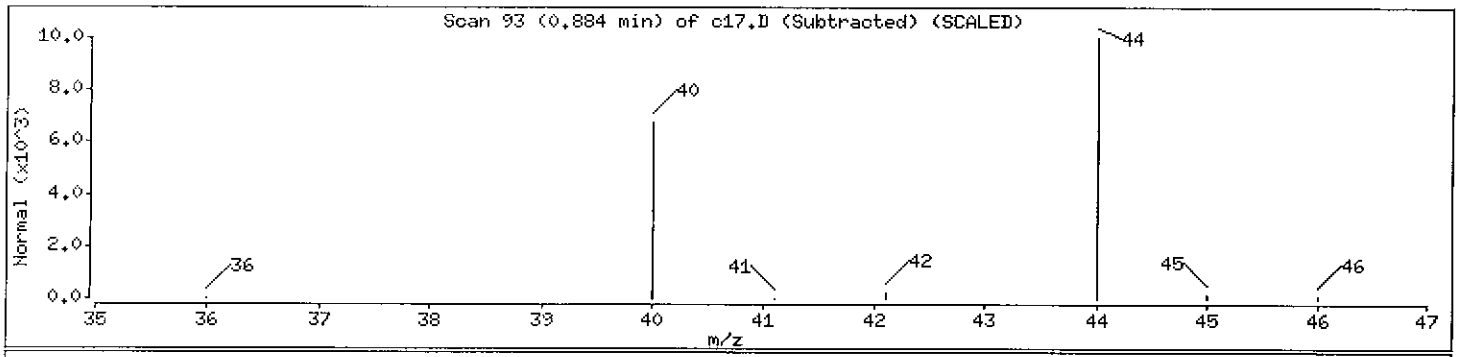
Purge Volume: 5.0

Operator: jlf

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

December 01, 2010

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027027/Allison
Pace Project No.: 5043637

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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December 6, 2010

Case Narrative- Level Project Review
Project 5043637 (Conestoga-Rovers and Associates)

General Reporting Comments

Quality control issues or reported footnotes that require more detailed information will be covered in this case narrative. Dilutions of samples are indicated in the sample results section under the heading 'DF'. The raw sample and calibration data is included following the body of the report. This raw data is separated by analysis and then further separated into categories of information.

Sample Receiving

No discrepancies were noted concerning sample receipt or sample transfer.

GC/MS Volatiles- Method 8260

The project specific spike set is listed on pages 8-9 for sample 5043637001. There are 2 footnotes (1d and 2d) indicating several compounds were outside the laboratory control limits for recovery and RPD. Please refer to the batch QC for batch control. All other quality control indicators for this project (Method Blank and LCS results) are within laboratory acceptance limits.

I have reviewed the data from this project and have found all other discrepancies to be sufficiently covered in the footnotes in the report or documented within the raw data.

Theresa L Sheingold

Theresa Sheingold
Quality Analyst
Pace Analytical Services

The review of this project and the associated case narrative are part of a review process for final reports that require a complete set of data deliverables. This process is completed by a member of the Quality Department as part of Pace Analytical's Indiana state requirements.

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SAMPLE SUMMARY

Project: E027027/Allison
Pace Project No.: 5043637

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043637001	**MW-0202-S2A(111810)**	Water	11/18/10 14:20	11/18/10 15:20

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SAMPLE ANALYTE COUNT

Project: E027027/Allison
Pace Project No.: 5043637

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043637001	**MW-0202-S2A(111810)**	EPA 8260	RSW	51

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ANALYTICAL RESULTS

Project: E027027/Allison
Pace Project No.: 5043637

Sample: MW-0202-S2A(111810) **Lab ID: 5043637001** Collected: 11/18/10 14:20 Received: 11/18/10 15:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/10 23:40	67-64-1	
Benzene	ND	ug/L	5.0	1		11/29/10 23:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/10 23:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/10 23:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/10 23:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/10 23:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/29/10 23:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/10 23:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/10 23:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/10 23:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/10 23:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/10 23:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/29/10 23:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/29/10 23:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/10 23:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/10 23:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/10 23:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/10 23:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/10 23:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/10 23:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/10 23:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/10 23:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/10 23:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/10 23:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/10 23:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/10 23:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/10 23:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/10 23:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/10 23:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/29/10 23:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/10 23:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/29/10 23:40	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		11/29/10 23:40	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		11/29/10 23:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/10 23:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/10 23:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/29/10 23:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/10 23:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/10 23:40	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/10 23:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/10 23:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/10 23:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/10 23:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/10 23:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/10 23:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/29/10 23:40	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/29/10 23:40	75-01-4	

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ANALYTICAL RESULTS

Project: E027027/Allison
Pace Project No.: 5043637

Sample: MW-0202-S2A(111810) **Lab ID: 5043637001** Collected: 11/18/10 14:20 Received: 11/18/10 15:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/29/10 23:40	1330-20-7	
Dibromofluoromethane (S)	101	%	80-123	1		11/29/10 23:40	1868-53-7	
4-Bromofluorobenzene (S)	98	%	70-126	1		11/29/10 23:40	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		11/29/10 23:40	2037-26-5	

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QUALITY CONTROL DATA

Project: E027027/Allison
Pace Project No.: 5043637

QC Batch: MSV/28552 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5043637001

METHOD BLANK: 513154 Matrix: Water
Associated Lab Samples: 5043637001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/29/10 21:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/29/10 21:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/29/10 21:48	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/29/10 21:48	
1,1-Dichloroethane	ug/L	ND	5.0	11/29/10 21:48	
1,1-Dichloroethene	ug/L	ND	5.0	11/29/10 21:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/29/10 21:48	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/29/10 21:48	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/29/10 21:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/29/10 21:48	
1,2-Dichloroethane	ug/L	ND	5.0	11/29/10 21:48	
1,2-Dichloropropane	ug/L	ND	5.0	11/29/10 21:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/29/10 21:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/29/10 21:48	
2-Butanone (MEK)	ug/L	ND	25.0	11/29/10 21:48	
2-Hexanone	ug/L	ND	25.0	11/29/10 21:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/29/10 21:48	
Acetone	ug/L	ND	100	11/29/10 21:48	
Benzene	ug/L	ND	5.0	11/29/10 21:48	
Bromodichloromethane	ug/L	ND	5.0	11/29/10 21:48	
Bromoform	ug/L	ND	5.0	11/29/10 21:48	
Bromomethane	ug/L	ND	5.0	11/29/10 21:48	
Carbon disulfide	ug/L	ND	10.0	11/29/10 21:48	
Carbon tetrachloride	ug/L	ND	5.0	11/29/10 21:48	
Chlorobenzene	ug/L	ND	5.0	11/29/10 21:48	
Chloroethane	ug/L	ND	5.0	11/29/10 21:48	
Chloroform	ug/L	ND	5.0	11/29/10 21:48	
Chloromethane	ug/L	ND	5.0	11/29/10 21:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/29/10 21:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/29/10 21:48	
Cyclohexane	ug/L	ND	100	11/29/10 21:48	
Dibromochloromethane	ug/L	ND	5.0	11/29/10 21:48	
Dichlorodifluoromethane	ug/L	ND	5.0	11/29/10 21:48	
Ethylbenzene	ug/L	ND	5.0	11/29/10 21:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/29/10 21:48	
Methyl acetate	ug/L	ND	50.0	11/29/10 21:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/29/10 21:48	
Methylcyclohexane	ug/L	ND	50.0	11/29/10 21:48	
Methylene chloride	ug/L	ND	5.0	11/29/10 21:48	
Styrene	ug/L	ND	5.0	11/29/10 21:48	
Tetrachloroethene	ug/L	ND	5.0	11/29/10 21:48	
Toluene	ug/L	ND	5.0	11/29/10 21:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/29/10 21:48	

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QUALITY CONTROL DATA

Project: E027027/Allison
Pace Project No.: 5043637

METHOD BLANK: 513154 Matrix: Water

Associated Lab Samples: 5043637001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/29/10 21:48	
Trichloroethene	ug/L	ND	5.0	11/29/10 21:48	
Trichlorofluoromethane	ug/L	ND	5.0	11/29/10 21:48	
Vinyl chloride	ug/L	ND	2.0	11/29/10 21:48	
Xylene (Total)	ug/L	ND	10.0	11/29/10 21:48	
4-Bromofluorobenzene (S)	%	98	70-126	11/29/10 21:48	
Dibromofluoromethane (S)	%	100	80-123	11/29/10 21:48	
Toluene-d8 (S)	%	100	80-116	11/29/10 21:48	

LABORATORY CONTROL SAMPLE: 513155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.8	96	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	69-131	
1,1,2-Trichloroethane	ug/L	50	49.6	99	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	42.3	85	70-130	
1,1-Dichloroethane	ug/L	50	46.1	92	67-133	
1,1-Dichloroethene	ug/L	50	49.8	100	63-128	
1,2,4-Trichlorobenzene	ug/L	50	47.3	95	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	75-126	
1,2-Dichlorobenzene	ug/L	50	50.6	101	76-124	
1,2-Dichloroethane	ug/L	50	48.6	97	69-139	
1,2-Dichloropropane	ug/L	50	48.7	97	76-129	
1,3-Dichlorobenzene	ug/L	50	49.9	100	76-125	
1,4-Dichlorobenzene	ug/L	50	49.8	100	75-122	
2-Butanone (MEK)	ug/L	250	243	97	47-189	
2-Hexanone	ug/L	250	249	100	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	234	94	61-135	
Acetone	ug/L	250	260	104	30-170	
Benzene	ug/L	50	49.4	99	78-127	
Bromodichloromethane	ug/L	50	47.9	96	69-133	
Bromoform	ug/L	50	46.3	93	60-127	
Bromomethane	ug/L	50	59.1	118	30-170	
Carbon disulfide	ug/L	100	90.4	90	58-152	
Carbon tetrachloride	ug/L	50	48.6	97	62-143	
Chlorobenzene	ug/L	50	49.4	99	75-123	
Chloroethane	ug/L	50	55.5	111	56-153	
Chloroform	ug/L	50	46.3	93	74-131	
Chloromethane	ug/L	50	47.2	94	35-147	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	74-128	
cis-1,3-Dichloropropene	ug/L	50	47.4	95	58-123	
Cyclohexane	ug/L	50	ND	86	63-134	
Dibromochloromethane	ug/L	50	47.3	95	66-131	
Dichlorodifluoromethane	ug/L	50	52.4	105	30-170	

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: E027027/Allison
Pace Project No.: 5043637

LABORATORY CONTROL SAMPLE: 513155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.5	99	81-126	
Isopropylbenzene (Cumene)	ug/L	50	49.2	98	80-130	
Methyl acetate	ug/L	50	ND	63	30-170	
Methyl-tert-butyl ether	ug/L	100	99.7	100	66-147	
Methylcyclohexane	ug/L	50	ND	90	65-135	
Methylene chloride	ug/L	50	47.4	95	32-164	
Styrene	ug/L	50	51.0	102	74-128	
Tetrachloroethene	ug/L	50	42.1	84	60-119	
Toluene	ug/L	50	49.8	100	75-129	
trans-1,2-Dichloroethene	ug/L	50	50.9	102	71-126	
trans-1,3-Dichloropropene	ug/L	50	43.6	87	54-123	
Trichloroethene	ug/L	50	48.9	98	74-130	
Trichlorofluoromethane	ug/L	50	47.1	94	62-150	
Vinyl chloride	ug/L	50	52.7	105	55-141	
Xylene (Total)	ug/L	150	150	100	76-132	
4-Bromofluorobenzene (S)	%			98	70-126	
Dibromofluoromethane (S)	%			101	80-123	
Toluene-d8 (S)	%			101	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 513156 513157

Parameter	Units	5043637001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	38.3	52.4	77	105	64-143	31	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	40.8	54.7	82	109	64-142	29	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	42.0	57.2	84	114	71-143	31	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	35.4	50.0	71	100	70-130	34	20	
1,1-Dichloroethane	ug/L	ND	50	50	37.7	51.3	75	103	68-139	31	20	
1,1-Dichloroethene	ug/L	ND	50	50	40.5	56.5	81	113	55-140	33	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	29.5	40.0	59	80	28-140	30	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	41.5	57.3	83	115	39-140	32	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	42.8	59.5	86	119	67-134	33	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	34.0	45.7	68	91	48-137	30	20	
1,2-Dichloroethane	ug/L	ND	50	50	41.6	56.0	83	112	63-148	30	20	
1,2-Dichloropropane	ug/L	ND	50	50	39.9	53.6	80	107	70-136	29	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	31.9	42.3	64	85	40-143	28	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	31.2	42.0	62	84	38-142	30	20	
2-Butanone (MEK)	ug/L	ND	250	250	227	297	91	119	62-132	27	20	
2-Hexanone	ug/L	ND	250	250	214	298	86	119	61-141	33	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	206	283	83	113	57-135	31	20	
Acetone	ug/L	ND	250	250	216	294	78	109	30-170	31	20	
Benzene	ug/L	ND	50	50	39.3	53.1	79	106	63-141	30	20	
Bromodichloromethane	ug/L	ND	50	50	40.0	53.7	80	107	63-135	29	20	
Bromoform	ug/L	ND	50	50	38.5	50.1	77	100	58-124	26	20	
Bromomethane	ug/L	ND	50	50	47.0	65.8	94	132	30-170	33	20	
Carbon disulfide	ug/L	ND	100	100	73.1	99.8	73	100	46-162	31	20	
Carbon tetrachloride	ug/L	ND	50	50	37.6	51.6	75	103	54-145	31	20	

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QUALITY CONTROL DATA

Project: E027027/Allison
Pace Project No.: 5043637

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 513156 513157

Parameter	Units	5043637001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	35.3	47.0	71	94	56-133	28	20	
Chloroethane	ug/L	ND	50	50	47.5	66.4	95	133	54-157	33	20	
Chloroform	ug/L	ND	50	50	37.9	51.1	76	102	67-134	30	20	
Chloromethane	ug/L	ND	50	50	39.7	57.0	79	114	36-137	36	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	43.3	58.0	87	116	65-132	29	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	38.5	53.5	77	107	46-121	33	20	
Cyclohexane	ug/L	ND	50	50	ND	ND	66	90	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	39.1	54.3	78	109	64-124	33	20	
Dichlorodifluoromethane	ug/L	ND	50	50	45.6	65.2	91	130	30-163	35	20	
Ethylbenzene	ug/L	ND	50	50	33.2	45.5	66	91	44-151	31	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	30.5	41.4	61	83	40-148	30	20	
Methyl acetate	ug/L	ND	50	50	ND	ND	49	63	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	87.9	117	88	117	52-156	29	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	68	91	44-158		20	
Methylene chloride	ug/L	ND	50	50	41.7	56.1	79	108	46-154	29	20	
Styrene	ug/L	ND	50	50	29.9	42.6	60	85	38-141	35	20	
Tetrachloroethene	ug/L	ND	50	50	28.5	39.6	57	79	25-146	32	20	
Toluene	ug/L	ND	50	50	36.0	49.1	72	98	59-142	31	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	40.7	54.8	81	110	60-137	30	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	36.1	48.0	72	96	43-117	28	20	
Trichloroethene	ug/L	ND	50	50	36.4	48.7	73	97	61-137	29	20	
Trichlorofluoromethane	ug/L	ND	50	50	39.3	55.8	79	112	53-162	35	20	
Vinyl chloride	ug/L	ND	50	50	43.1	62.4	86	125	51-144	36	20	
Xylene (Total)	ug/L	ND	150	150	98.8	136	66	91	44-152	32	20	
4-Bromofluorobenzene (S)	%						101	103	70-126		20	
Dibromofluoromethane (S)	%						99	102	80-123		20	1d,2d
Toluene-d8 (S)	%						99	101	80-116		20	

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QUALIFIERS

Project: E027027/Allison
Pace Project No.: 5043637

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

1d	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits for several compounds. Refer to batch QC for control. RSW 11/30/10
2d	RPD value was outside control limits for several compounds. Refer to batch QC for control. RSW 11/30/10

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE OF

ID # Nº 09358

Required Client Information:

Company: Arcadis	Report To: Sarah Fisher
Address: 251 E. Ohio St. Suite 800	Copy To: Heather Gastina-Lyons
Indianapolis IN 46204	Invoice To:
Phone: 317-231-6500	P.O.:
Fax: 317-231-6594	Project Name: Allison
E-mail: SFisher@arcadis-us.com	Project Number: IN000473.0020.00004

Laboratory: Pace	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date:	TAT: Standard
QA/QC Requirements: Level IV	

SSOW Ref. Code: E027025 ~~E027027~~ ~~E027028~~ per Sue 11/19/10

Analysis and Method E027027

5043637

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs											Remarks/Lab ID
1.	MW-0202-S2A (111810)	WG	11/18/10	1420	3		X					X											001
2.																							
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS																						

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Scott Malefyt / Arcadis	11/18/10	1520	Marsa Wilson	11/18/10	1520
AIRBILL NO.							

Sample Condition

Temp in °C	4.3 °C
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments: Client

Sampler Name: Scott Malefyt

Sampler Signature: Scott Malefyt Date: 11/18/10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Page 1 of 1

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 4043637

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____ _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other dcl

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.3 C **Ice Visible in Sample Containers:** ☐ yes ☐ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 11/18/10 mw

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No ☑N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☐Yes ☑No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 11/18/10

Form F-IN-Q290-rev.1, 06Jul2010

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID#

Project # 304637

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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VOA 8260B
GC/MS Volatiles

Project Number 50436137

Initials/ Date Compiled RSW 12/3/10

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

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(317)875-5894

SAMPLE SUMMARY

Project: E027027/Allison
Pace Project No.: 5043637

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043637001	**MW-0202-S2A(111810)**	Water	11/18/10 14:20	11/18/10 15:20

REPORT OF LABORATORY ANALYSIS

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METHOD BLANK RESULTS

Project: E027027/Allison
Pace Project No.: 5043637

QB Batch: **Prepared:**
Method(s):
Associated Lab Samples:

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual

Type	Sample	Matrix
BLANK	513154	Water

REPORT OF LABORATORY ANALYSIS

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LAB CONTROL SAMPLE RESULTS

Project: E027027/Allison
Pace Project No.: 5043637

QB Batch: **LCS Prepared:**
Method(s): **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual

Type	Sample
LCS	513155

REPORT OF LABORATORY ANALYSIS

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INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Surr. lot:
Tune std: _____
Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/B00BFB.D	bfb050 34c-204	L/	BFB	1	-bfb	11/29/10	13:06	rsw	cleved after switching filament and tuning
1/B01.D	1ppb	L/	CALIB 1	1	-B8260	11/29/10	13:43	rsw	
1/B02.d	5ppb	L/	CALIB 2	1	-B8260	11/29/10	14:20	rsw	
1/B03.d	10ppb	L/	CALIB 3	1	-B8260	11/29/10	14:58	rsw	
1/B04.D	50ppb 34C-221/227	L/	CALIB 4	1	-B8260	11/29/10	15:35	rsw	
1/B04CCV.D	ccv 34C-221/227	L/	CCALIB 4	1	-B8260	11/29/10	15:35	rsw	✓
1/B05.D	100ppb	L/	CALIB 5	1	-B8260	11/29/10	16:12	rsw	
1/B06.D	150ppb	L/	CALIB 6	1	-B8260	11/29/10	16:50	rsw	
1/B07.D	200ppb	L/	CALIB 7	1	-B8260	11/29/10	17:27	rsw	
1/B08.D	300ppb	L/	CALIB 8	1	-B8260	11/29/10	18:04	rsw	
1/B09ICV.D	icv	L/	ICV	1	-B8260	11/29/10	18:41	rsw	curve passes
1/B10MB.D	mb	L/	BLANK	1	-B8260	11/29/10	19:19	rsw	
1/D00BFB.D	bfb050 34c-204	L/	BFB	1	-bfb	11/29/10	19:56	rsw	
1/D01CCV.D	ccv	L/	CCALIB 4	1	-B8260	11/29/10	20:33	rsw	
1/D02LCS.D	lcs	L/	LCS	1	-B8260	11/29/10	21:11	rsw	LCS passes
1/D03MB.D	mb	L/	BLANK	1	-B8260	11/29/10	21:48	rsw	
1/D04.D	5043665025	S/	SAMPLE	100	-B8260	11/29/10	22:25	rsw	
1/D05.D	5043665026	S/	SAMPLE	1	-B8260	11/29/10	23:03	rsw	
1/D06.D	5043637001	L/	SAMPLE	1	-B8260	11/29/10	23:40	rsw	
1/D07.D	ms5043637001	L/	MS	1	-B8260	11/30/10	00:17	rsw	
1/D08.D	msd5043637001	L/	MSD	1	-B8260	11/30/10	00:55	rsw	
1/D09.D	5043639001	L/	SAMPLE	100	-B8260	11/30/10	01:32	rsw	
1/D10.D	5043639001	L/	SAMPLE	1000	-B8260	11/30/10	02:10	rsw	
1/D11.D	5043649001	L/	SAMPLE	1	-B8260	11/30/10	02:47	rsw	
1/D12.D	5043659009	L/	SAMPLE	1	-B8260	11/30/10	03:24	rsw	
1/D13.D	5043659010	L/	SAMPLE	1	-B8260	11/30/10	04:02	rsw	
1/D14.D	5043659001	S/	SAMPLE	1	-B8260	11/30/10	04:39	rsw	
1/D15.D	5043659002	S/	SAMPLE	1	-B8260	11/30/10	05:17	rsw	
1/D16.D	5043659003	S/	SAMPLE	50	-B8260	11/30/10	05:54	rsw	
1/D17.D	5043659003	S/	SAMPLE	500	-B8260	11/30/10	06:31	rsw	
1/D18.D	5043659005	S/	SAMPLE	1	-B8260	11/30/10	07:09	rsw	
1/D19.D	5043659006	S/	SAMPLE	1	-B8260	11/30/10	07:46	rsw	

MSV 28551
MSV 28558
MSV 28557

File Path 1: \\50wintarget\chem\50MSV5.i\b112910.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:20 11/30/2010

Page: 1

...our samples ... on below 2 ... unless otherwise noted

BW 11/30/10

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B112910.B

Lab File ID (Standard): D01CCV Date Analyzed: 11/29/10

Instrument ID: 50MSV5 Time Analyzed: 2033

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	369530	7.22	212670	8.72	399840	4.00
	UPPER LIMIT	739060	7.72	425340	9.22	799680	4.50
	LOWER LIMIT	184765	6.72	106335	8.22	199920	3.50
	EPA SAMPLE NO.						
01	LCS	363639	7.22	206374	8.72	391559	4.00
02	MB	340053	7.22	189497	8.72	377560	4.00
03	5043665025	345583	7.22	210526	8.72	371130	4.00
04	5043665026	289244	7.22	162191	8.72	313691	4.00
05	5043637001	335633	7.22	186287	8.72	368543	4.00
06	MS5043637001	352315	7.22	201783	8.72	382484	4.00
07	MSD504363700	295375	7.22	174667	8.72	328079	4.00
08	5043639001	328170	7.22	189774	8.72	373395	4.00
09	5043639001	288535	7.22	161817	8.72	321008	4.00
10	5043649001	269024	7.22	150892	8.72	299551	4.01
11	5043659009	308089	7.22	170421	8.72	340454	4.00
12	5043659010	310933	7.22	175214	8.72	333487	4.00
13	5043659001	259976	7.22	124403	8.72	293407	4.00
14	5043659002	346872	7.22	189615	8.72	391909	4.01
15	5043659003	291666	7.22	172775	8.72	341380	4.00
16	5043659003	310996	7.22	169245	8.72	331544	4.00
17	5043659005	357562	7.22	188714	8.72	395934	4.00
18	5043659006	352229	7.22	195327	8.72	395496	4.01
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

Pace Analytical®
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VOA 8260B
GC/MS Volatiles

Section 2: Initial Calibration Data

** Initial Calibration Summary Table*
** BFB Tune Information*
** Initial Calibration Standards*
** ICV Standard*

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 5OMSV5 C-2 11/29/10

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2010 17:28
End Cal Date : 29-NOV-2010 18:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Last Edit : 30-Nov-2010 09:07 rwrede

Calibration File Names:
Level 1: \\50wintarget\chem\50MSV5.i\b112910.b\B01.D
Level 2: \\50wintarget\chem\50MSV5.i\b112910.b\B02.d
Level 3: \\50wintarget\chem\50MSV5.i\b112910.b\B03.d
Level 4: \\50wintarget\chem\50MSV5.i\b112910.b\B04.D
Level 5: \\50wintarget\chem\50MSV5.i\b112910.b\B05.D
Level 6: \\50wintarget\chem\50MSV5.i\b112910.b\B06.D
Level 7: \\50wintarget\chem\50MSV5.i\b112910.b\B07.D
Level 8: \\50wintarget\chem\50MSV5.i\b112910.b\B08.D

All CCCs < 30% RSD RSW 11/30/10

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
1 Dichlorodifluoromethane	3964	12732	39162	134584	274997	423459					
	505018	810123					LINR	-0.10611	0.33796		0.99617
2 Chloromethane	0.22102	0.27415	0.35794	0.31502	0.32170	0.33485					
	0.36321	0.33172					AVRG		0.31495		14.88680
3 Vinyl Chloride	2609	8690	25277	91362	188218	301706					
	368934	620909					LINR	-0.02679	0.25548		0.99954

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
4 Bromomethane	785	3271	9636	50579	112180	168935					
	197174	+++++					LINR	-0.00100	0.14355		0.99690
139 Methyl Acetate	0.20272	0.15993	0.13138	0.17271	0.15781	0.15179					
	0.18094	0.15437					AVRG		0.16396		13.08693
5 Chloroethane	2377	5583	13244	44645	89724	138621					
	160737	+++++					LINR	-0.08121	0.11423		0.99731
6 Trichlorofluoromethane	4352	14381	45056	157555	327004	511574					
	617894	994196					LINR	-0.07831	0.41488		0.99717
7 Diethyl ether	+++++	0.07448	0.05964	0.08313	0.08131	0.08040					
	0.09590	0.08261					AVRG		0.07964		13.71313
8 Acrolein	3332	11443	32896	111959	230849	371029					
	447159	737108					LINR	-1.12118	0.01525		0.99859
9 1,1-Dichloroethene	0.16415	0.18595	0.15377	0.21150	0.20053	0.19741					
	0.24348	0.19629					AVRG		0.19414		14.29041

2-200ppb

2-200ppb

Pace Analytical Services, Inc.

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
10 1,1,2trichlorotrifluoroethane	0.17503	0.20929	0.17229	0.23750	0.22691	0.22557					
	0.27577	0.22336					AVRG		0.21821		15.38861
11 Acetone	2252	8201	11056	62017	118849	181623					
	266801	378568					LINR	-0.15223	0.03281		0.98649
12 Iodomethane	805	10715	25137	181485	365663	577892					
	835383	1211656					LINR	0.06868	0.26357		0.98923
13 Carbon Disulfide	0.55688	0.60270	0.49407	0.68025	0.64393	0.62798					
	0.76941	0.62334					AVRG		0.62482		13.05230
142 Acetonitrile	1032	7502	15430	125330	260516	373265					
	526398	+++++					LINR	1.15875	0.01812		0.99465
14 allyl chloride	674	9417	18999	160971	347773	502278					
	722173	+++++					LINR	0.16466	0.24812		0.99320
15 Methylene Chloride	5023	9881	13831	69566	137743	211222					
	+++++	+++++					LINR	-0.04774	0.18289		0.99947

20-400ppb
5-400ppb
1-150ppb

Pace Analytical Services, Inc.

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
16 Acrylonitrile	0.03448	0.03870	0.03000	0.04001	0.03625	0.03566					
	0.04271	0.03447					AVRG		0.03654		10.69507
17 tert-Butyl Alcohol	+++++	395	771	5294	12729	21882					
	30448	53717					LINR	0.48804	0.01124		0.99412
18 1,2-Dichloroethene (trans)	0.21148	0.22667	0.18418	0.25285	0.23619	0.23110					
	0.28265	0.22988					AVRG		0.23187		12.36998
19 Methyl-tert-butyl ether	0.40156	0.44548	0.35563	0.50775	0.46686	0.45062					
	0.50892	0.42487					AVRG		0.44521		11.64429
20 n-Hexane	0.34554	0.34616	0.29103	0.39431	0.37767	0.37470					
	0.45357	0.36735					AVRG		0.36879		12.57480
21 1,1-Dichloroethane	2262	14468	23685	173987	353724	535921					
	809885	1156332					LINR	0.03344	0.50440		0.98646
23 Vinyl Acetate	3528	26260	42272	317464	596634	907800					
	+++++	+++++					LINR	-0.00956	0.20190		0.99707

4-1-00 ppb

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	300.0000 Level 8										
143 Chloroprene	+++++	0.44436	0.35321	0.50343	0.46313	0.45863						
	0.55407	0.44948					AVRG		0.46090		13.28643	
24 2,2-Dichloropropane	+++++	5518	9679	84811	198788	332191						
	497786	816531					LINR	0.23405	0.34808		0.99202	
25 1,2-Dichloroethene (cis)	0.21445	0.25327	0.20311	0.27906	0.25644	0.25712						
	0.31391	0.25484					AVRG		0.25402		13.62802	
26 2-Butanone	0.05275	0.06409	0.04964	0.06739	0.06031	0.05995						
	0.07003	0.05742					AVRG		0.06020		11.54573	
27 Propionitrile	+++++	0.00383	0.00910	0.02057	0.01868	0.01863						
	0.02304	0.01940					AVRG		0.01618		43.09735	<-NC
144 Methacrylonitrile	+++++	0.01516	0.01267	0.01741	0.01585	0.01600						
	0.01963	0.01641					AVRG		0.01616		13.11007	
28 1,2-dichlorotrifluoroethane	0.19905	0.22857	0.18159	0.25644	0.24111	0.23860						
	0.28801	0.23871					AVRG		0.23401		13.99901	

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	300.0000 Level 8										
29 Bromochloromethane	0.11429	0.17248	0.12870	0.16504	0.14951	0.14186						
	0.16708	0.13716					AVRG		0.14701		13.87441	
30 Tetrahydrofuran	0.33000	0.09502	0.06009	0.04840	0.04124	0.04104						
	0.04766	0.03949					AVRG		0.08787		113	<- N/C
31 Chloroform	0.48060	0.49151	0.38065	0.53158	0.50733	0.49789						
	0.60686	0.50428					AVRG		0.50009		12.46183	✓
33 1,1,1-Trichloroethane	+++++	0.43391	0.36554	0.52191	0.49508	0.48895						
	0.59640	0.49236					AVRG		0.48488		14.78200	
35 Carbon Tetrachloride	+++++	0.39247	0.32430	0.47037	0.44715	0.43821						
	0.52832	0.43028					AVRG		0.43302		14.65955	
36 1,1-Dichloropropene	+++++	0.35069	0.29255	0.40645	0.38256	0.37339						
	0.45447	0.37387					AVRG		0.37628		13.17372	
37 Isobutyl alcohol	+++++	0.16443	0.13835	0.18332	0.18590	0.18371						
	0.22494	0.18292					AVRG		0.18051		14.41500	

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
140 Cyclohexane	0.38566	0.41815	0.34338	0.45840	0.43351	0.42973					
	0.53234	0.43516					AVRG		0.42954		12.72942
38 Benzene	0.84380	0.93375	0.73404	0.98891	0.92263	0.90288					
	1.11388	0.91455					AVRG		0.91931		11.86195
39 1,2-Dichloroethane	0.27392	0.32328	0.24519	0.34920	0.33217	0.32191					
	0.39384	0.32326					AVRG		0.32035		14.05812
138 2,2,4-Trimethylpentane	0.78828	0.92701	0.75909	1.01938	1.01000	1.00322					
	1.23194	1.00529					AVRG		0.96803		15.33821
141 Methylcyclohexane	0.32732	0.37562	0.30140	0.42355	0.40293	0.39587					
	0.47998	0.39760					AVRG		0.38803		14.26120
41 Trichloroethene	0.25301	0.28683	0.21870	0.31858	0.29733	0.28807					
	0.35282	0.29441					AVRG		0.28872		13.90856
42 1,2-Dichloropropane	+++++	0.24729	0.18369	0.26880	0.25144	0.24959					
	0.30332	0.25393					AVRG		0.25115		14.17959

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	300.0000 Level 8										
43 Dibromomethane	+++++	0.13101	0.10240	0.14955	0.13560	0.13363						
	0.15719	0.12792					AVRG		0.13390		13.02979	
44 Methyl methacrylate	96.00000	3201	5359	39587	77295	122078						
	184460	267602					LINR	0.05497	0.11612		0.98770	1-150ppb
45 Bromodichloromethane	1983	11582	19677	137022	273236	419954						
	+++++	+++++					LINR	0.00956	0.37212		0.99904	
46 2-Chloroethyl vinyl ether	424	4834	8104	52658	99144	137561						
	164713	+++++					LINR	-0.13962	0.06267		0.99273	
145 1,4-Dioxane	+++++	+++++	+++++	0.00094	0.00130	0.00156						
	0.00192	0.00170					AVRG		0.00148		25.50582	<- 10 only 6
47 cis-1,3-Dichloropropene	1903	11974	19776	148933	296350	462694						1-150ppb
	+++++	+++++					LINR	0.01433	0.42816		0.99894	
48 4-Methyl-2-Pentanone	0.16059	0.19796	0.13691	0.18431	0.16532	0.16208						
	0.19590	0.16802					AVRG		0.17139		11.90380	

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
50 Toluene	1.31708	1.28800	0.99321	1.33884	1.23362	1.19919					
	1.48219	1.23634					AVRG		1.26106		11.04286
51 trans-1,3-Dichloropropene	1148	10031	16288	127801	263272	405763					
	617453	878151					LINR	0.07473	0.41682		0.98726
52 Ethyl Methacrylate	+++++	0.23653	0.18670	0.27172	0.25248	0.25020					
	0.30980	0.25715					AVRG		0.25208		14.72214
53 1,1,2-Trichloroethane	0.13993	0.18665	0.13583	0.19128	0.17107	0.17163					
	0.21044	0.17838					AVRG		0.17315		14.53165
54 Tetrachloroethene	0.37718	0.39340	0.29484	0.43536	0.42414	0.41662					
	0.50791	0.41230					AVRG		0.40772		14.67258
55 1,3-Dichloropropane	0.30659	0.37149	0.27746	0.39508	0.35642	0.35228					
	0.43618	0.36165					AVRG		0.35714		13.73452
56 2-Hexanone	0.10405	0.13812	0.10054	0.13418	0.12075	0.11920					
	0.14299	0.11889					AVRG		0.12234		12.54802

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	200.0000 Level 7	300.0000 Level 8									
57 Dibromochloromethane	+++++	0.28717	0.21963	0.32126	0.30041	0.29731					
	0.36844	0.31852					AVRG		0.30182		14.87092
58 1,2-Dibromoethane	0.17122	0.21633	0.16655	0.23761	0.21989	0.21723					
	0.26641	0.22470					AVRG		0.21499		15.26799
60 Chlorobenzene	0.90971	0.99528	0.75145	1.02222	0.92438	0.91316					
	1.11622	0.92131					AVRG		0.94422		11.21609
61 1,1,1,2-Tetrachloroethane	0.26744	0.32351	0.25044	0.35433	0.33160	0.32285					
	0.40611	0.34061					AVRG		0.32461		15.00363
62 Ethylbenzene	0.52057	0.54294	0.41957	0.57276	0.52346	0.49613					
	0.61822	0.50472					AVRG		0.52480		11.08179
63 m&p-Xylene	0.69604	0.66618	0.52753	0.68372	0.59486	0.57094					
	0.68553	0.54810					AVRG		0.62161		11.04685
65 o-Xylene	0.70201	0.70144	0.52907	0.68016	0.60599	0.58336					
	0.70625	0.57253					AVRG		0.63510		11.07855

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
66 Styrene	0.93549	1.08404	0.82438	1.11630	0.99443	0.95941					
	1.15640	0.93795					AVRG		1.00105		11.04513
67 Bromoform	758	5192	8193	59441	121318	190377					
	284644	411048					LINR	0.12039	0.35562		0.98970
68 Isopropylbenzene	1.69930	1.85209	1.42625	1.93265	1.73522	1.68417					
	2.02791	1.66400					AVRG		1.75270		10.57109
69 trans-1,4-Dichloro-2-butene	+++++	1829	2693	22522	48670	80982					
	+++++	+++++					LINR	0.07838	0.07501		0.99810
71 Bromobenzene	0.58126	0.65194	0.48102	0.64443	0.57909	0.57562					
	0.69703	0.57840					AVRG		0.59860		10.95013
72 1,1,2,2-Tetrachloroethane	0.42383	0.60004	0.38891	0.51492	0.46910	0.48342					
	0.59948	0.52710					AVRG		0.50085		15.13588
73 1,2,3-Trichloropropane	+++++	0.62214	0.41208	0.53130	0.50955	0.52967					
	0.66457	0.58531					AVRG		0.55066		15.01111

5-150ppb

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2010 17:28
End Cal Date : 29-NOV-2010 18:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Last Edit : 30-Nov-2010 09:07 rwrede

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
74 n-Propylbenzene	3.76114	3.91733	2.90609	3.80005	3.46156	3.40826					
	4.11999	3.54816					AVRG		3.61532		10.32470
75 2-Chlorotoluene	2.09886	2.34523	1.71602	2.20181	2.00938	2.01067					
	2.44670	2.10998					AVRG		2.11733		10.59145
76 4-Chlorotoluene	0.70249	0.83658	0.58060	0.76984	0.68332	0.68019					
	0.81938	0.68825					AVRG		0.72008		11.69355
77 1,3,5-Trimethylbenzene	2.80552	2.77080	2.03952	2.63880	2.36925	2.35452					
	2.89015	2.39740					AVRG		2.53324		11.46176
78 tert-Butylbenzene	2.80885	3.15147	2.35946	3.04316	2.71455	2.71957					
	3.35689	2.83222					AVRG		2.87327		10.67705
79 1,2,4-Trimethylbenzene	3.42807	2.98807	2.17004	2.75220	2.50799	2.50623					
	3.09643	2.55444					AVRG		2.75043		14.60193
80 sec-Butylbenzene	3.26543	3.79020	2.91814	3.78666	3.45971	3.42503					
	4.16442	3.47742					AVRG		3.53588		10.68348

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2010 17:28
End Cal Date : 29-NOV-2010 18:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Last Edit : 30-Nov-2010 09:07 rwrede

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
81 1,3-Dichlorobenzene	1.40248	1.55503	1.14459	1.51091	1.39126	1.37562					
	1.67682	1.40127					AVRG		1.43225		10.89847
83 p-Isopropyltoluene	2.77499	3.18540	2.37048	3.17657	2.89899	2.85584					
	3.51239	2.91296					AVRG		2.96095		11.42717
84 1,4-Dichlorobenzene	1.37667	1.51014	1.10986	1.50120	1.37092	1.37916					
	1.69238	1.41698					AVRG		1.41966		11.63731
85 1,2-Dichlorobenzene	1.22068	1.45567	1.03599	1.37880	1.24914	1.24499					
	1.49972	1.22833					AVRG		1.28917		11.58483
86 n-Butylbenzene	2.14549	2.74132	2.12139	2.91696	2.68087	2.66994					
	3.25973	2.64555					AVRG		2.64765		14.17988
87 1,2-Dibromo-3-chloropropane	+++++	1197	1883	14969	31705	49152					
	+++++	+++++					LINR	0.05591	0.08024		0.99951
88 1,2,4-Trichlorobenzene	1108	11767	20111	186737	380437	577967					
	+++++	+++++					LINR	0.03864	0.94539		0.99928

5-150ppb
1-50ppb

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2010 17:28
End Cal Date : 29-NOV-2010 18:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Last Edit : 30-Nov-2010 09:07 rwrede

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	300.0000 Level 8										
89 Hexachlorobutadiene	0.48794	0.61412	0.46557	0.64462	0.62795	0.62740						
	0.75000	0.62875					AVRG		0.60579		14.94938	
90 Naphthalene	979	16325	29267	339157	721617	1116637						
	1640257	2266696					LINR	0.10756	2.00311		0.98859	
91 1,2,3-Trichlorobenzene	755	9493	16417	159762	327864	504779						
	737997	1003506					LINR	0.08097	0.88973		0.98746	
92 2,methyl-naphthalene	+++++	+++++	+++++	0.41692	0.61417	0.73411						
	0.98950	0.95004					AVRG		0.74095		32.12356	<- NTZ
$ 32 Dibromofluoromethane (S)	0.27048	0.26660	0.27458	0.26928	0.27809	0.27365						
	0.26421	0.26336					AVRG		0.27003		1.92760	
$ 49 Toluene-d8	1.21488	1.19065	1.20124	1.16336	1.17207	1.18087						
	1.16542	1.20130					AVRG		1.18622		1.58625	
$ 70 4-Bromofluorobenzene	0.49969	0.50186	0.51306	0.50073	0.49569	0.49966						
	0.50064	0.50447					AVRG		0.50198		1.01726	

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2010 17:28
End Cal Date : 29-NOV-2010 18:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Last Edit : 30-Nov-2010 09:07 rwrede

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B00BFB.D

Date : 29-NOV-2010 13:06

Client ID: bfb050

Instrument: 50MSV5.i

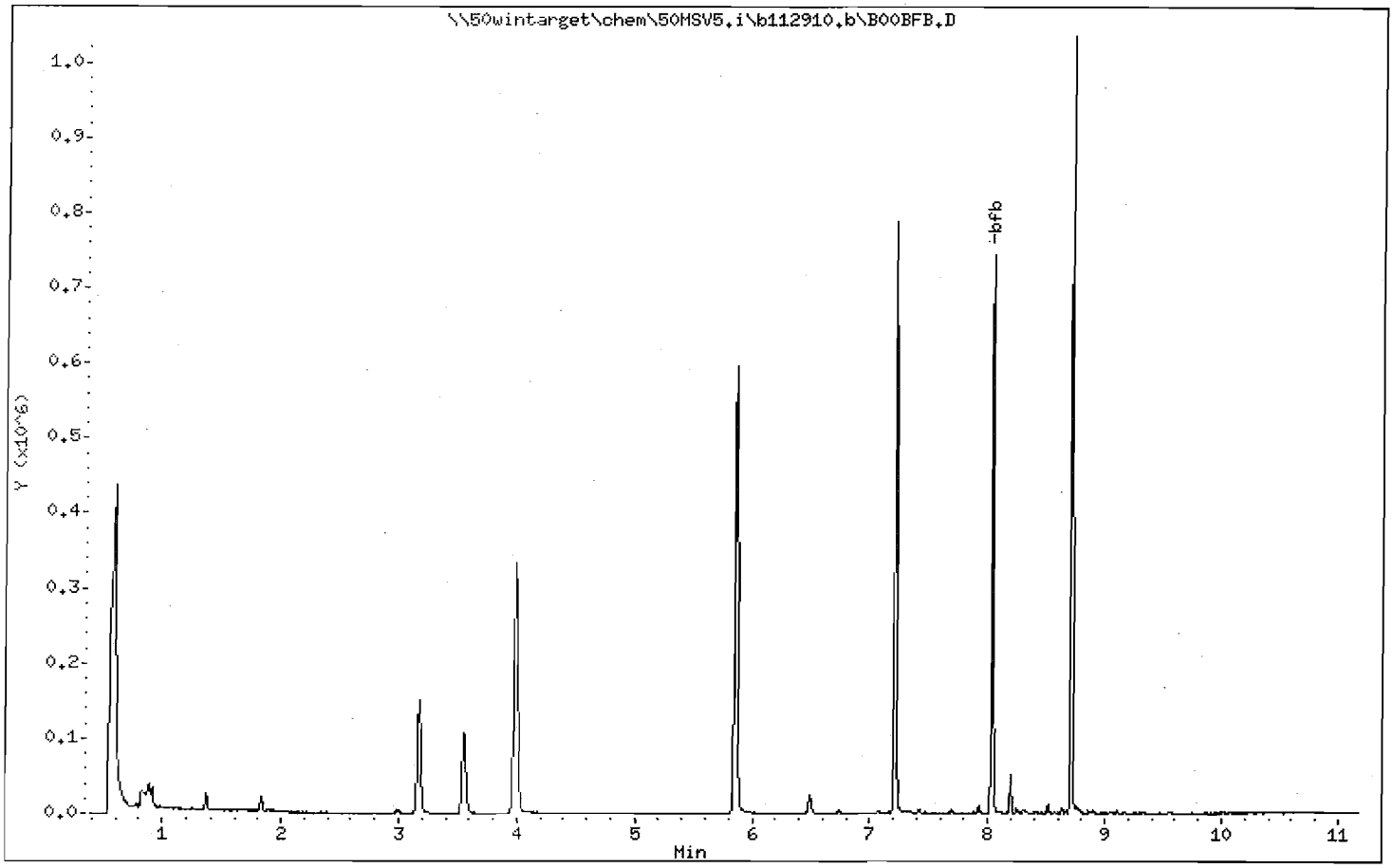
Sample Info: bfb 34C-204

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B00BFB.D

Date : 29-NOV-2010 13:06

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb 34C-204

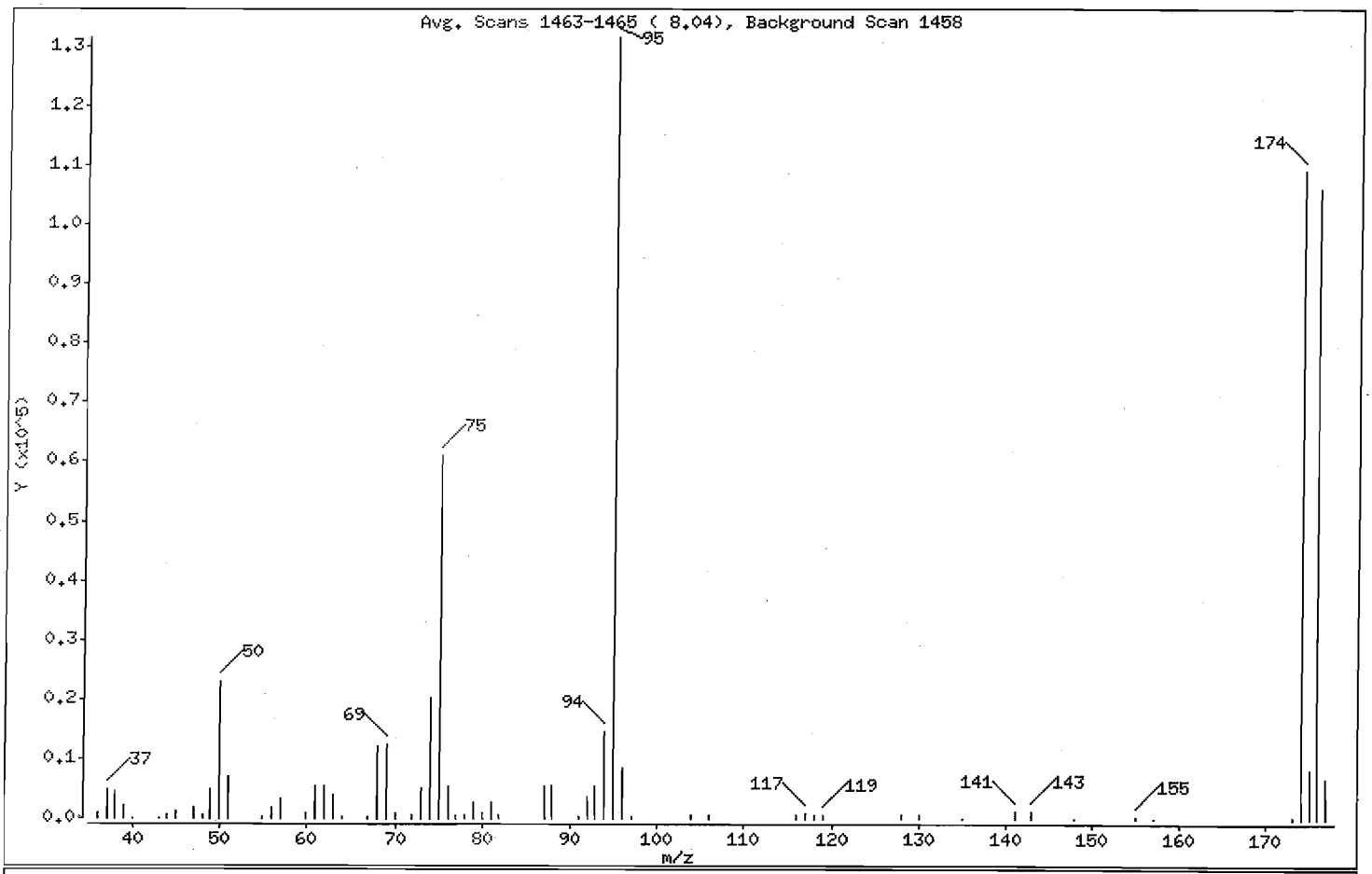
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.36
75	30.00 - 60.00% of mass 95	46.40
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.20 (0.24)
174	50.00 - 100.00% of mass 95	83.09
175	5.00 - 9.00% of mass 174	6.30 (7.58)
176	95.00 - 101.00% of mass 174	80.60 (97.00)
177	5.00 - 9.00% of mass 176	5.11 (6.34)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B00BFB.D

Date : 29-NOV-2010 13:06

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb 34C-204

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

Data File: B00BFB.D

Spectrum: Avg. Scans 1463-1465 (8.04), Background Scan 1458

Location of Maximum: 95.00

Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1019	61.00	5485	81.00	2724	128.00	471
37.00	4978	62.00	5588	82.00	475	130.00	483
38.00	4460	63.00	3812	87.00	5550	135.00	101
39.00	1969	64.00	303	88.00	5405	141.00	1234
40.00	87	67.00	259	91.00	290	143.00	1173
43.00	117	68.00	12144	92.00	3549	148.00	140
44.00	570	69.00	12347	93.00	5328	155.00	234
45.00	1082	70.00	892	94.00	14506	157.00	106
47.00	1700	72.00	623	95.00	131456	173.00	266
48.00	636	73.00	5214	96.00	8562	174.00	109232
49.00	4862	74.00	20288	97.00	232	175.00	8283
50.00	22824	75.00	60992	104.00	524	176.00	105952
51.00	6870	76.00	5390	106.00	491	177.00	6717
55.00	271	77.00	665	116.00	478		
56.00	1711	78.00	485	117.00	804		
57.00	3272	79.00	2713	118.00	515		
60.00	944	80.00	776	119.00	666		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B01.D
Lab Smp Id: 1ppb Client Smp ID: 1ppb
Inj Date : 29-NOV-2010 13:43
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 1ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.232)	3964	2.00000	(M)
2 Chloromethane	50	1.059	1.002	(0.266)	3129	2.00000	1.40(M)
3 Vinyl Chloride	62	1.049	1.049	(0.263)	2609	2.00000	0.103(QM)
4 Bromomethane	94	1.190	1.190	(0.298)	785	2.00000	0.722(QM)
139 Methyl Acetate	43	1.765	1.765	(0.443)	1435	1.00000	1.24(M)
5 Chloroethane	64	1.227	1.226	(0.308)	2377	2.00000	(M)
6 Trichlorofluoromethane	101	1.337	1.342	(0.335)	4352	2.00000	1.34(M)
7 Diethyl ether	74	1.452	1.457	(0.364)	207	2.00000	0.367(QM)
8 Acrolein	56	1.525	1.525	(0.382)	3332	40.0000	
9 1,1-Dichloroethene	96	1.572	1.577	(0.394)	1162	1.00000	0.846(M)
10 1,1,2trichlorotrifluoroethane	101	1.561	1.566	(0.392)	1239	1.00000	0.802
11 Acetone	43	1.598	1.598	(0.401)	2252	5.00000	2.08(M)
12 Iodomethane	142	1.661	1.666	(0.417)	805	2.00000	3.86(QM)
13 Carbon Disulfide	76	1.697	1.702	(0.426)	7884	2.00000	1.78(M)
142 Acetonitrile	39	1.755	1.760	(0.440)	1032	20.0000	66.0(QM)
14 allyl chloride	41	1.745	1.760	(0.437)	674	2.00000	8.62(QM)
15 Methylene Chloride	84	1.823	1.828	(0.457)	5023	1.00000	1.49(M)
16 Acrylonitrile	53	1.964	1.964	(0.493)	4882	20.0000	18.9
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.496)	1497	1.00000	0.912(M)
19 Methyl-tert-butyl ether	73	1.975	1.980	(0.495)	5685	2.00000	1.80(M)
20 n-Hexane	57	2.142	2.147	(0.537)	2446	1.00000	0.937(M)
21 1,1-Dichloroethane	63	2.257	2.257	(0.566)	2262	1.00000	2.30(M)
23 Vinyl Acetate	43	2.283	2.283	(0.573)	3528	4.00000	1.99(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	143 Chloroprene	53	2.315	2.320	(0.580)	2667	1.00000	0.817 (M)
	25 1,2-Dichloroethene (cis)	96	2.707	2.712	(0.679)	1518	1.00000	0.844 (M)
	26 2-Butanone	43	2.733	2.728	(0.685)	1867	5.00000	4.38 (M)
	27 Propionitrile	54	2.503	2.796	(0.628)	0	1.00000	(TQM)
	144 Methacrylonitrile	41	2.618	2.926	(0.656)	0	5.00000	(TQM)
	28 1,2-dichlorotrifluoroethane	67	1.446	1.457	(0.363)	1409	1.00000	0.850 (M)
	29 Bromochloromethane	49	2.932	2.937	(0.735)	809	1.00000	0.777 (QM)
	30 Tetrahydrofuran	42	2.995	2.989	(0.751)	2336	1.00000	3.76 (M)
	31 Chloroform	83	3.005	3.010	(0.753)	3402	1.00000	0.961
$	32 Dibromofluoromethane (S)	113	3.167	3.177	(0.794)	95731	50.0000	50.1
	33 1,1,1-Trichloroethane	97	3.183	3.198	(0.798)	2705	1.00000	0.788 (M)
	35 Carbon Tetrachloride	117	3.376	3.381	(0.847)	2243	1.00000	0.732 (M)
	36 1,1-Dichloropropene	75	3.376	3.381	(0.847)	2296	1.00000	0.862 (M)
	37 Isobutyl alcohol	43	3.732	3.742	(0.936)	735	1.00000	0.575 (QM)
	140 Cyclohexane	56	3.246	3.256	(0.814)	2730	1.00000	0.898 (M)
	38 Benzene	78	3.622	3.627	(0.908)	5973	1.00000	0.918 (M)
	39 1,2-Dichloroethane	62	3.654	3.659	(0.916)	1939	1.00000	0.855 (M)
	138 2,2,4-Trimethylpentane	57	3.737	3.747	(0.937)	5580	1.00000	0.814
	141 Methylcyclohexane	55	4.668	4.678	(1.170)	2317	1.00000	0.844 (M)
*	40 Fluorobenzene	96	3.988	3.999	(1.000)	353935	50.0000	
	41 Trichloroethene	95	4.449	4.454	(1.115)	1791	1.00000	0.876
	42 1,2-Dichloropropane	63	4.715	4.726	(1.182)	1123	1.00000	0.632 (M)
	43 Dibromomethane	93	4.846	4.862	(1.215)	445	1.00000	0.469 (M)
	44 Methyl methacrylate	69	4.919	4.924	(1.233)	96	1.00000	2.86 (QM)
	45 Bromodichloromethane	83	5.055	5.060	(1.267)	1983	1.00000	1.23 (M)
	46 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.756)	424	2.00000	(QM)
	145 1,4-Dioxane	88	4.611	4.919	(1.156)	0	1.00000	(TQM)
	47 cis-1,3-Dichloropropene	75	5.573	5.583	(0.772)	1903	1.00000	1.42 (M)
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	5107	5.00000	4.68 (M)
$	49 Toluene-d8	98	5.861	5.866	(0.812)	386349	50.0000	51.2
	50 Toluene	91	5.934	5.939	(0.822)	8377	1.00000	1.04
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	1148	1.00000	4.17 (M)
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	1046	1.00000	0.652 (M)
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	890	1.00000	0.808 (M)
	54 Tetrachloroethene	166	6.504	6.509	(0.901)	2399	1.00000	0.925 (M)
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	1950	1.00000	0.858 (M)
	56 2-Hexanone	43	6.661	6.661	(0.923)	3309	5.00000	4.25 (M)
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	1306	1.00000	0.680
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	1089	1.00000	0.796 (M)
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	318014	50.0000	(M)
	60 Chlorobenzene	112	7.236	7.241	(1.003)	5786	1.00000	0.963 (Q)
	61 1,1,1,2-Tetrachloroethane	131	7.304	7.309	(1.012)	1701	1.00000	0.824 (Q)
	62 Ethylbenzene	106	7.330	7.335	(1.016)	3311	1.00000	0.992
	63 m&p-Xylene	106	7.419	7.424	(1.028)	8854	2.00000	2.24
	65 o-Xylene	106	7.697	7.696	(1.067)	4465	1.00000	1.10
	66 Styrene	104	7.707	7.712	(1.068)	5950	1.00000	0.934
	67 Bromoform	173	7.822	7.827	(0.897)	758	1.00000	6.61 (M)
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	10808	1.00000	0.970
$	70 4-Bromofluorobenzene	95	8.037	8.036	(1.114)	158910	50.0000	49.8
	71 Bromobenzene	77	8.125	8.125	(1.126)	3697	1.00000	0.971
	72 1,1,2,2-Tetrachloroethane	83	8.136	8.141	(0.933)	1527	1.00000	0.846 (M)
	73 1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	1055	1.00000	0.532 (M)
	74 n-Propylbenzene	91	8.199	8.204	(0.941)	13551	1.00000	1.04
	75 2-Chlorotoluene	91	8.246	8.251	(0.946)	7562	1.00000	0.991

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	2531	1.00000	0.976
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	10108	1.00000	1.11
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	10120	1.00000	0.978
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	12351	1.00000	1.25
80	sec-Butylbenzene	105	8.617	8.622	(0.989)	11765	1.00000	0.924
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	5053	1.00000	0.979
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	180145	50.0000	(Q)
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	9998	1.00000	0.937
84	1,4-Dichlorobenzene	146	8.727	8.732	(1.001)	4960	1.00000	0.970(Q)
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	4398	1.00000	0.947
86	n-Butylbenzene	91	8.920	8.920	(1.023)	7730	1.00000	0.810
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	1108	1.00000	2.26(M)
89	Hexachlorobutadiene	225	9.820	9.825	(1.127)	1758	1.00000	0.805
90	Naphthalene	128	9.872	9.872	(1.133)	979	1.00000	5.51(M)
91	1,2,3-Trichlorobenzene	180	9.993	9.998	(1.146)	755	1.00000	4.28(M)

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B01.D
Lab Smp Id: 1ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 1ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	353935	1.53
59 Chlorobenzene-d5	329556	164778	659112	318014	-3.50
82 1,4-Dichlorobenze	197466	98733	394932	180145	-8.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	3.99	-0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	0.000	
74-87-3	Chloromethane	1.40	
75-01-4	Vinyl Chloride	0.103	
74-83-9	Bromomethane	0.722	
79-20-9	Methyl Acetate	1.24	
75-00-3	Chloroethane	0.000	
75-69-4	Trichlorofluoromethane	1.34	
60-29-7	Diethyl ether	0.367	
107-02-8	Acrolein	0.000	
75-35-4	1,1-Dichloroethene	0.846	
76-13-1	1,1,2trichlorotrifluoroethan	0.802	
67-64-1	Acetone	2.08	
	Iodomethane	3.86	
75-15-0	Carbon Disulfide	1.78	
75-05-8	Acetonitrile	66.0	
107-05-1	allyl chloride	8.62	
75-09-2	Methylene Chloride	1.49	
107-13-1	Acrylonitrile	18.9	
156-60-5	1,2-Dichloroethene (trans)	0.912	
1634-04-4	Methyl-tert-butyl ether	1.80	
	n-Hexane	0.937	
75-34-3	1,1-Dichloroethane	2.30	
108-05-4	Vinyl Acetate	1.99	
126-99-8	Chloroprene	0.817	
156-59-2	1,2-Dichloroethene (cis)	0.844	
78-93-3	2-Butanone	4.38	
107-12-0	Propionitrile	0.000	
126-98-7	Methacrylonitrile	0.000	
354-23-4	1,2-dichlorotrifluoroethane	0.850	
74-97-5	Bromochloromethane	0.777	
	Tetrahydrofuran	3.76	
67-66-3	Chloroform	0.961	
71-55-6	1,1,1-Trichloroethane	0.788	
56-23-5	Carbon Tetrachloride	0.732	
563-58-6	1,1-Dichloropropene	0.862	
78-83-1	Isobutyl alcohol	0.575	
110-82-7	Cyclohexane	0.898	
71-43-2	Benzene	0.918	
107-06-2	1,2-Dichloroethane	0.855	
540-84-1	2,2,4-Trimethylpentane	0.814	
108-82-7	Methylcyclohexane	0.844	
79-01-6	Trichloroethene	0.876	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	0.632	
74-95-3	Dibromomethane	0.469	
80-62-6	Methyl methacrylate	2.86	
75-27-4	Bromodichloromethane	1.23	
110-75-8	2-Chloroethyl vinyl ether	0.000	
----------	1,4-Dioxane	0.000	
10061-01-5	cis-1,3-Dichloropropene	1.42	
108-10-1	4-Methyl-2-Pentanone	4.68	
108-88-3	Toluene	1.04	
10061-02-6	trans-1,3-Dichloropropene	4.17	
----------	Ethyl Methacrylate	0.652	
79-00-5	1,1,2-Trichloroethane	0.808	
127-18-4	Tetrachloroethene	0.925	
142-28-9	1,3-Dichloropropane	0.858	
591-78-6	2-Hexanone	4.25	
124-48-1	Dibromochloromethane	0.680	
106-93-4	1,2-Dibromoethane	0.796	
108-90-7	Chlorobenzene	0.963	
630-20-6	1,1,1,2-Tetrachloroethane	0.824	
100-41-4	Ethylbenzene	0.992	
7816-60-0	m&p-Xylene	2.24	
95-47-6	o-Xylene	1.10	
100-42-5	Styrene	0.934	
75-25-2	Bromoform	6.61	
98-82-8	Isopropylbenzene	0.970	
108-86-1	Bromobenzene	0.971	
79-34-5	1,1,2,2-Tetrachloroethane	0.846	
96-18-4	1,2,3-Trichloropropane	0.532	
103-65-1	n-Propylbenzene	1.04	
95-49-8	2-Chlorotoluene	0.991	
106-43-4	4-Chlorotoluene	0.976	
108-67-8	1,3,5-Trimethylbenzene	1.11	
98-06-6	tert-Butylbenzene	0.978	
95-63-6	1,2,4-Trimethylbenzene	1.25	
135-98-8	sec-Butylbenzene	0.924	
541-73-1	1,3-Dichlorobenzene	0.979	
99-87-6	p-Isopropyltoluene	0.937	
106-46-7	1,4-Dichlorobenzene	0.970	
95-50-1	1,2-Dichlorobenzene	0.947	
104-51-8	n-Butylbenzene	0.810	
120-82-1	1,2,4-Trichlorobenzene	2.26	
87-68-3	Hexachlorobutadiene	0.805	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

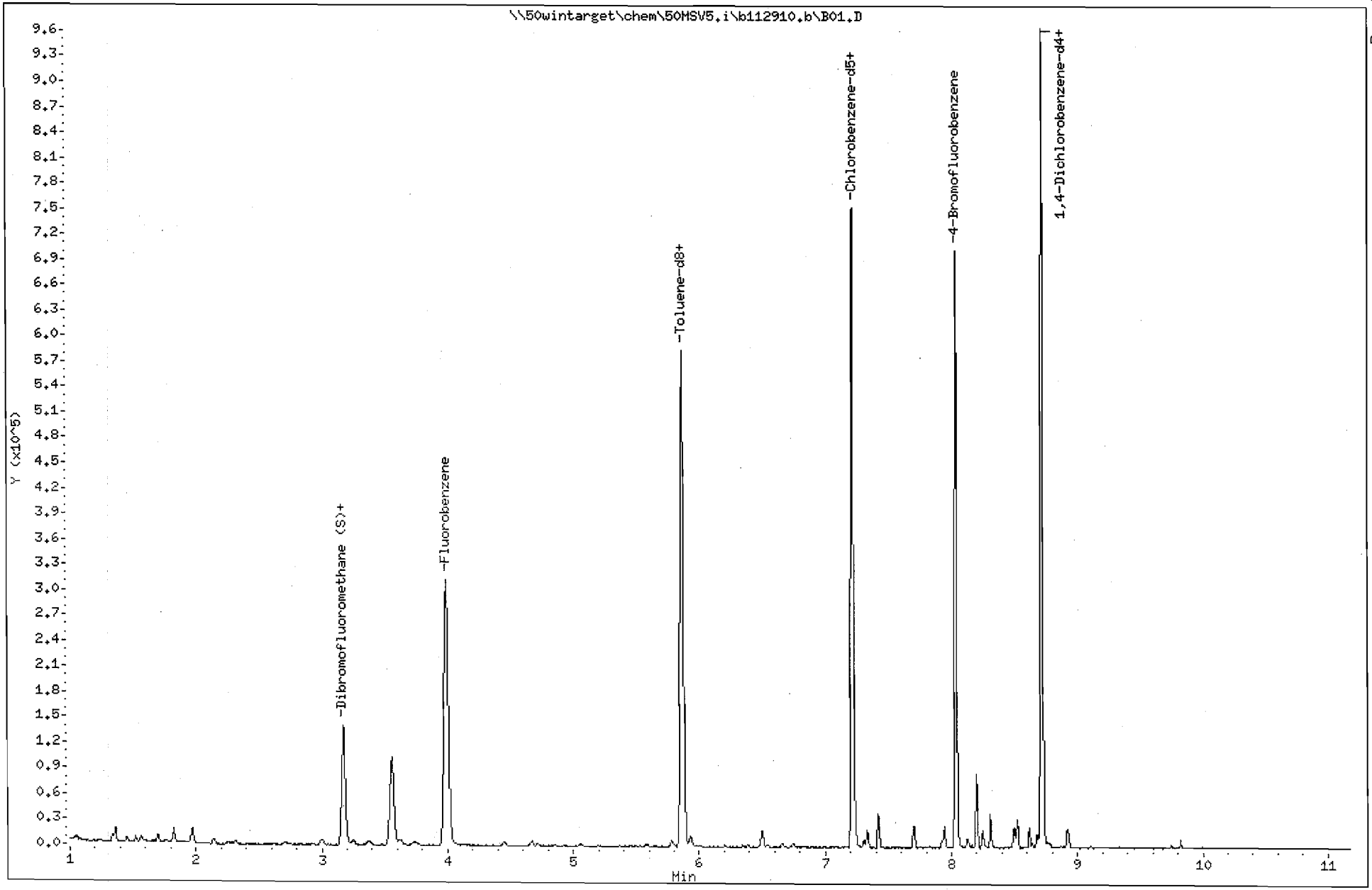
Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	5.51	
87-61-6	1,2,3-Trichlorobenzene	4.28	
1868-53-7	Dibromofluoromethane (S)	50.1	
2037-26-5	Toluene-d8	51.2	
460-00-4	4-Bromofluorobenzene	49.8	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B01.D
Date : 29-NOV-2010 13:43
Client ID: 1ppb
Sample Info: 1ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B01.D

Date : 29-NOV-2010 13:43

Client ID: 1ppb

Instrument: 50MSV5.i

Sample Info: 1ppb

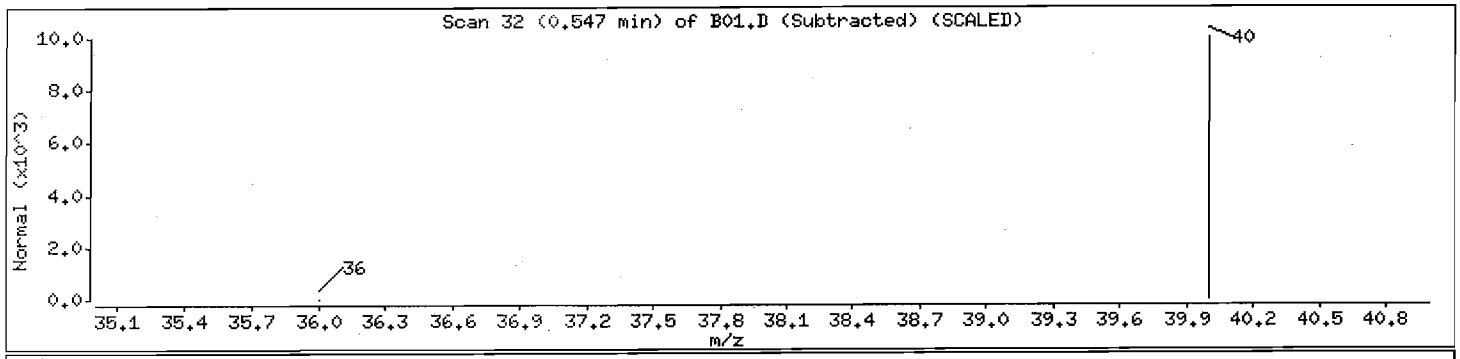
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B02.d
Lab Smp Id: 5ppb Client Smp ID: 5ppb
Inj Date : 29-NOV-2010 14:20
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 5ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	12732	5.00000	
2 Chloromethane	50	1.054	1.002	(0.264)	9810	5.00000	4.35
3 Vinyl Chloride	62	1.049	1.049	(0.263)	8690	5.00000	3.41
4 Bromomethane	94	1.185	1.190	(0.297)	3271	5.00000	3.13(Q)
139 Methyl Acetate	43	1.765	1.765	(0.442)	5723	5.00000	4.88(M)
5 Chloroethane	64	1.227	1.226	(0.307)	5583	5.00000	2.77
6 Trichlorofluoromethane	101	1.337	1.342	(0.335)	14381	5.00000	4.40
7 Diethyl ether	74	1.452	1.457	(0.364)	2665	5.00000	4.68(Q)
8 Acrolein	56	1.525	1.525	(0.382)	11443	100.000	48.8
9 1,1-Dichloroethene	96	1.572	1.577	(0.394)	6654	5.00000	4.79
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.392)	7489	5.00000	4.80
11 Acetone	43	1.598	1.598	(0.400)	8201	25.0000	27.3
12 Iodomethane	142	1.666	1.666	(0.417)	10715	10.0000	9.11(Q)
13 Carbon Disulfide	76	1.703	1.702	(0.426)	43134	10.0000	9.65
142 Acetonitrile	39	1.755	1.760	(0.440)	7502	100.000	116(QM)
14 allyl chloride	41	1.755	1.760	(0.440)	9417	10.0000	13.5(M)
15 Methylene Chloride	84	1.823	1.828	(0.457)	9881	5.00000	5.16
16 Acrylonitrile	53	1.964	1.964	(0.492)	27700	100.000	106
17 tert-Butyl Alcohol	59	1.875	1.875	(0.470)	395	10.0000	29.3(M)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.496)	8111	5.00000	4.89
19 Methyl-tert-butyl ether	73	1.975	1.980	(0.495)	31882	10.0000	10.0(M)
20 n-Hexane	57	2.142	2.147	(0.536)	12387	5.00000	4.69
21 1,1-Dichloroethane	63	2.257	2.257	(0.565)	14468	5.00000	5.68

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.572)	26260	20.0000	17.7
	143 Chloroprene	53	2.320	2.320	(0.581)	15901	5.00000	4.82
	24 2,2-Dichloropropane	77	2.707	2.712	(0.678)	5518	5.00000	13.9
	25 1,2-Dichloroethene (cis)	96	2.707	2.712	(0.678)	9063	5.00000	4.98(M)
	26 2-Butanone	43	2.733	2.728	(0.684)	11467	25.0000	26.6(M)
	27 Propionitrile	54	2.791	2.796	(0.699)	137	5.00000	1.18(TM)
	144 Methacrylonitrile	41	2.927	2.926	(0.733)	2713	25.0000	23.4(TQ)
	28 1,2-dichlorotrifluoroethane	67	1.452	1.457	(0.364)	8179	5.00000	4.88
	29 Bromochloromethane	49	2.932	2.937	(0.734)	6172	5.00000	5.87(QM)
	30 Tetrahydrofuran	42	2.984	2.989	(0.747)	3400	5.00000	5.41
	31 Chloroform	83	3.005	3.010	(0.753)	17588	5.00000	4.91
$	32 Dibromofluoromethane (S)	113	3.172	3.177	(0.794)	95398	50.0000	49.4
	33 1,1,1-Trichloroethane	97	3.193	3.198	(0.800)	15527	5.00000	4.47
	35 Carbon Tetrachloride	117	3.376	3.381	(0.845)	14044	5.00000	4.53
	36 1,1-Dichloropropene	75	3.382	3.381	(0.847)	12549	5.00000	4.66
	37 Isobutyl alcohol	43	3.737	3.742	(0.936)	5884	5.00000	4.55(QM)
	140 Cyclohexane	56	3.251	3.256	(0.814)	14963	5.00000	4.87
	38 Benzene	78	3.622	3.627	(0.907)	33413	5.00000	5.08
	39 1,2-Dichloroethane	62	3.648	3.659	(0.914)	11568	5.00000	5.04(M)
	138 2,2,4-Trimethylpentane	57	3.742	3.747	(0.937)	33172	5.00000	4.79
	141 Methylcyclohexane	55	4.668	4.678	(1.169)	13441	5.00000	4.84
*	40 Fluorobenzene	96	3.994	3.999	(1.000)	357837	50.0000	
	41 Trichloroethene	95	4.449	4.454	(1.114)	10264	5.00000	4.97
	42 1,2-Dichloropropane	63	4.721	4.726	(1.182)	8849	5.00000	4.92(M)
	43 Dibromomethane	93	4.857	4.862	(1.216)	4688	5.00000	4.89
	44 Methyl methacrylate	69	4.925	4.924	(1.233)	3201	5.00000	6.60(Q)
	45 Bromodichloromethane	83	5.060	5.060	(1.267)	11582	5.00000	4.83(M)
	46 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.756)	4834	10.0000	4.86
	47 cis-1,3-Dichloropropene	75	5.578	5.583	(0.773)	11974	5.00000	5.01
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	32247	25.0000	28.9
$	49 Toluene-d8	98	5.866	5.866	(0.813)	387911	50.0000	50.2
	50 Toluene	91	5.934	5.939	(0.822)	41963	5.00000	5.11
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	10031	5.00000	7.43
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	7706	5.00000	4.69(M)
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	6081	5.00000	5.39
	54 Tetrachloroethene	166	6.504	6.509	(0.901)	12817	5.00000	4.82
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	12103	5.00000	5.20
	56 2-Hexanone	43	6.661	6.661	(0.923)	22499	25.0000	28.2
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	9356	5.00000	4.76
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	7048	5.00000	5.03
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	325799	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	32426	5.00000	5.27(Q)
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	10540	5.00000	4.98
	62 Ethylbenzene	106	7.330	7.335	(1.016)	17689	5.00000	5.17
	63 m&p-Xylene	106	7.419	7.424	(1.028)	43408	10.0000	10.7
	65 o-Xylene	106	7.697	7.696	(1.067)	22853	5.00000	5.52
	66 Styrene	104	7.707	7.712	(1.068)	35318	5.00000	5.41
	67 Bromoform	173	7.822	7.827	(0.897)	5192	5.00000	9.92
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	60341	5.00000	5.28
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	1829	5.00000	7.66(QM)
$	70 4-Bromofluorobenzene	95	8.036	8.036	(1.114)	163504	50.0000	50.0
	71 Bromobenzene	77	8.125	8.125	(1.126)	21240	5.00000	5.44
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	11215	5.00000	5.99
	73 1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	11628	5.00000	5.65

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
74	n-Propylbenzene	91	8.199	8.204	(0.941)	73216	5.00000	5.42
75	2-Chlorotoluene	91	8.246	8.251	(0.946)	43833	5.00000	5.54
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	15636	5.00000	5.81
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	51787	5.00000	5.47
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	58902	5.00000	5.48
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	55848	5.00000	5.43
80	sec-Butylbenzene	105	8.617	8.622	(0.989)	70840	5.00000	5.36
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	29064	5.00000	5.43
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	186903	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	59536	5.00000	5.38
84	1,4-Dichlorobenzene	146	8.727	8.732	(1.001)	28225	5.00000	5.32(Q)
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	27207	5.00000	5.64
86	n-Butylbenzene	91	8.920	8.920	(1.023)	51236	5.00000	5.18
87	1,2-Dibromo-3-chloropropane	155	9.334	9.339	(1.071)	1197	5.00000	6.79
88	1,2,4-Trichlorobenzene	180	9.742	9.747	(1.118)	11767	5.00000	5.26
89	Hexachlorobutadiene	225	9.820	9.825	(1.127)	11478	5.00000	5.07
90	Naphthalene	128	9.872	9.872	(1.133)	16325	5.00000	7.56
91	1,2,3-Trichlorobenzene	180	9.993	9.998	(1.146)	9493	5.00000	6.90

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B02.d
Lab Smp Id: 5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 5ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	357837	2.65
59 Chlorobenzene-d5	329556	164778	659112	325799	-1.14
82 1,4-Dichlorobenze	197466	98733	394932	186903	-5.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	3.99	0.00
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	0.000	
74-87-3	Chloromethane	4.35	
75-01-4	Vinyl Chloride	3.41	
74-83-9	Bromomethane	3.13	
79-20-9	Methyl Acetate	4.88	
75-00-3	Chloroethane	2.77	
75-69-4	Trichlorofluoromethane	4.40	
60-29-7	Diethyl ether	4.68	
107-02-8	Acrolein	48.8	
75-35-4	1,1-Dichloroethene	4.79	
76-13-1	1,1,2trichlorotrifluoroethan	4.80	
67-64-1	Acetone	27.3	
----------	Iodomethane	9.11	
75-15-0	Carbon Disulfide	9.65	
75-05-8	Acetonitrile	116	
107-05-1	allyl chloride	13.5	
75-09-2	Methylene Chloride	5.16	
107-13-1	Acrylonitrile	106	
75-65-0	tert-Butyl Alcohol	29.3	
156-60-5	1,2-Dichloroethene (trans)	4.89	
1634-04-4	Methyl-tert-butyl ether	10.0	
----------	n-Hexane	4.69	
75-34-3	1,1-Dichloroethane	5.68	
108-05-4	Vinyl Acetate	17.7	
126-99-8	Chloroprene	4.82	
594-20-7	2,2-Dichloropropane	13.9	
156-59-2	1,2-Dichloroethene (cis)	4.98	
78-93-3	2-Butanone	26.6	
107-12-0	Propionitrile	1.18	
126-98-7	Methacrylonitrile	23.4	
354-23-4	1,2-dichlorotrifluoroethane	4.88	
74-97-5	Bromochloromethane	5.87	
----------	Tetrahydrofuran	5.41	
67-66-3	Chloroform	4.91	
71-55-6	1,1,1-Trichloroethane	4.47	
56-23-5	Carbon Tetrachloride	4.53	
563-58-6	1,1-Dichloropropene	4.66	
78-83-1	Isobutyl alcohol	4.55	
110-82-7	Cyclohexane	4.87	
71-43-2	Benzene	5.08	
107-06-2	1,2-Dichloroethane	5.04	
540-84-1	2,2,4-Trimethylpentane	4.79	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	4.84	
79-01-6	Trichloroethene	4.97	
78-87-5	1,2-Dichloropropane	4.92	
74-95-3	Dibromomethane	4.89	
80-62-6	Methyl methacrylate	6.60	
75-27-4	Bromodichloromethane	4.83	
110-75-8	2-Chloroethyl vinyl ether	4.86	
10061-01-5	cis-1,3-Dichloropropene	5.01	
108-10-1	4-Methyl-2-Pentanone	28.9	
108-88-3	Toluene	5.11	
10061-02-6	trans-1,3-Dichloropropene	7.43	
----------	Ethyl Methacrylate	4.69	
79-00-5	1,1,2-Trichloroethane	5.39	
127-18-4	Tetrachloroethene	4.82	
142-28-9	1,3-Dichloropropane	5.20	
591-78-6	2-Hexanone	28.2	
124-48-1	Dibromochloromethane	4.76	
106-93-4	1,2-Dibromoethane	5.03	
108-90-7	Chlorobenzene	5.27	
630-20-6	1,1,1,2-Tetrachloroethane	4.98	
100-41-4	Ethylbenzene	5.17	
7816-60-0	m&p-Xylene	10.7	
95-47-6	o-Xylene	5.52	
100-42-5	Styrene	5.41	
75-25-2	Bromoform	9.92	
98-82-8	Isopropylbenzene	5.28	
----------	trans-1,4-Dichloro-2-butene	7.66	
108-86-1	Bromobenzene	5.44	
79-34-5	1,1,2,2-Tetrachloroethane	5.99	
96-18-4	1,2,3-Trichloropropane	5.65	
103-65-1	n-Propylbenzene	5.42	
95-49-8	2-Chlorotoluene	5.54	
106-43-4	4-Chlorotoluene	5.81	
108-67-8	1,3,5-Trimethylbenzene	5.47	
98-06-6	tert-Butylbenzene	5.48	
95-63-6	1,2,4-Trimethylbenzene	5.43	
135-98-8	sec-Butylbenzene	5.36	
541-73-1	1,3-Dichlorobenzene	5.43	
99-87-6	p-Isopropyltoluene	5.38	
106-46-7	1,4-Dichlorobenzene	5.32	
95-50-1	1,2-Dichlorobenzene	5.64	
104-51-8	n-Butylbenzene	5.18	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

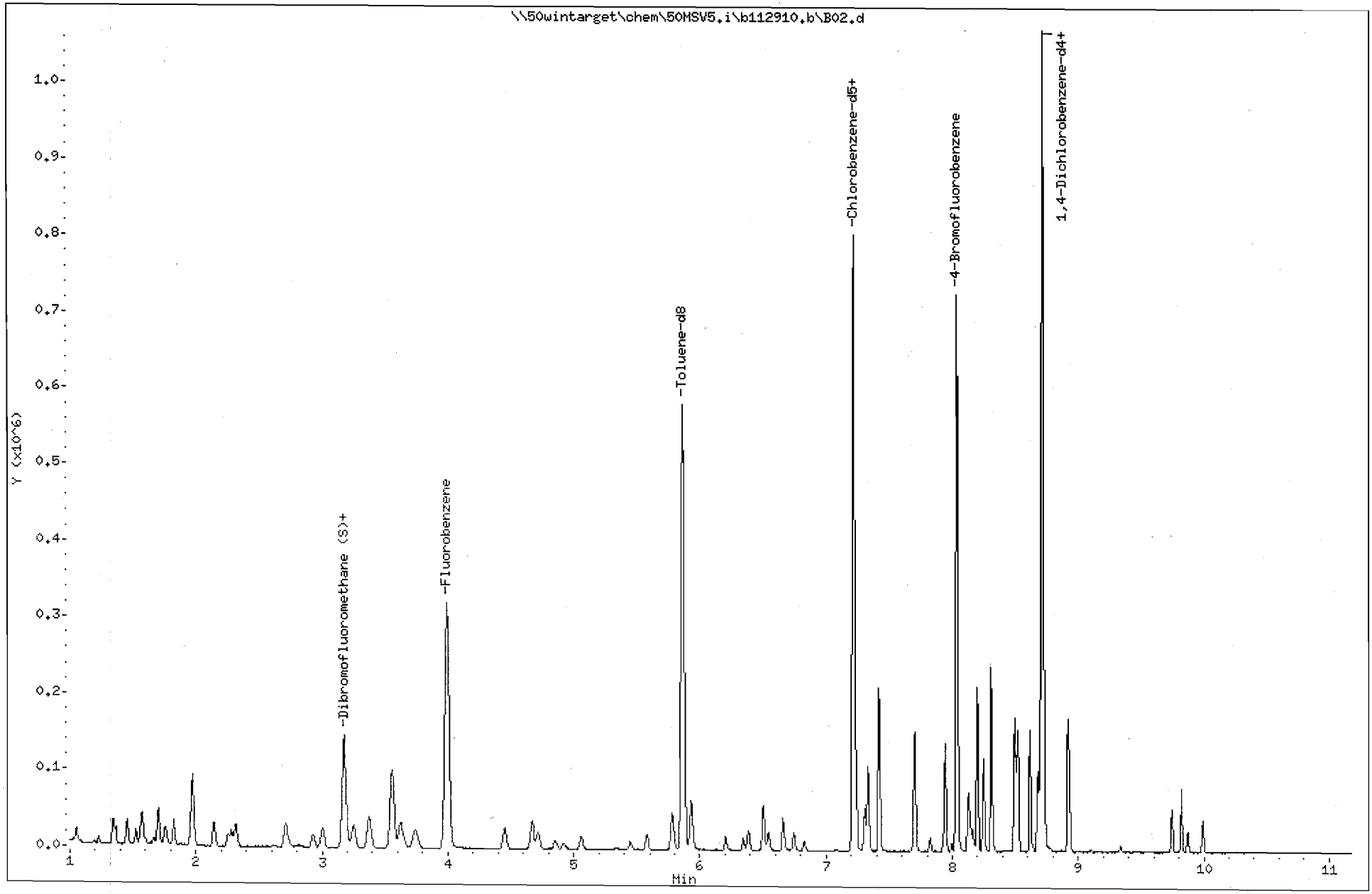
Client SDG: b112910.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	6.79	
120-82-1	1,2,4-Trichlorobenzene	5.26	
87-68-3	Hexachlorobutadiene	5.07	
91-20-3	Naphthalene	7.56	
87-61-6	1,2,3-Trichlorobenzene	6.90	
1868-53-7	Dibromofluoromethane (S)	49.4	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B02.d
Date : 29-NOV-2010 14:20
Client ID: 5ppb
Sample Info: 5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B02.d

Date : 29-NOV-2010 14:20

Client ID: 5ppb

Instrument: 50MSV5.i

Sample Info: 5ppb

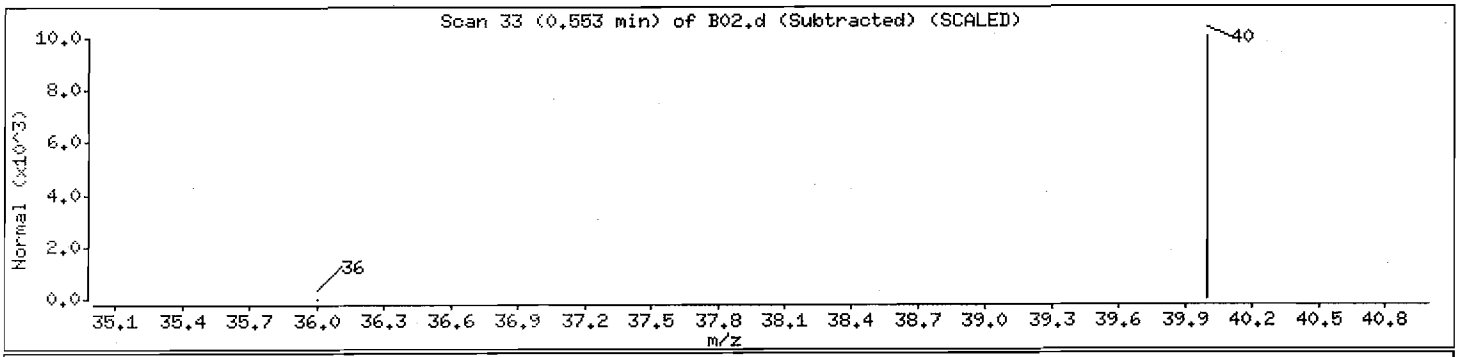
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B03.d
Lab Smp Id: 10ppb Client Smp ID: 10ppb
Inj Date : 29-NOV-2010 14:58
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 10ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.232)	39162	10.0000	10.4
2 Chloromethane	50	1.054	1.002	(0.264)	26324	10.0000	11.4
3 Vinyl Chloride	62	1.049	1.049	(0.263)	25277	10.0000	12.1
4 Bromomethane	94	1.190	1.190	(0.298)	9636	10.0000	9.08(Q)
139 Methyl Acetate	43	1.760	1.765	(0.441)	9662	10.0000	8.01
5 Chloroethane	64	1.227	1.226	(0.308)	13244	10.0000	11.7
6 Trichlorofluoromethane	101	1.336	1.342	(0.335)	45056	10.0000	13.4
7 Diethyl ether	74	1.451	1.457	(0.364)	4386	10.0000	7.49
8 Acrolein	56	1.519	1.525	(0.381)	32896	200.000	237
9 1,1-Dichloroethene	96	1.577	1.577	(0.396)	11309	10.0000	7.92
10 1,1,2trichlorotrifluoroethane	101	1.561	1.566	(0.392)	12671	10.0000	7.90
11 Acetone	43	1.593	1.598	(0.399)	11056	50.0000	38.2
12 Iodomethane	142	1.666	1.666	(0.418)	25137	20.0000	16.4
13 Carbon Disulfide	76	1.703	1.702	(0.427)	72671	20.0000	15.8
142 Acetonitrile	39	1.755	1.760	(0.440)	15430	200.000	174
14 allyl chloride	41	1.755	1.760	(0.440)	18999	20.0000	18.6
15 Methylene Chloride	84	1.823	1.828	(0.457)	13831	10.0000	7.90
16 Acrylonitrile	53	1.964	1.964	(0.493)	44130	200.000	164
17 tert-Butyl Alcohol	59	1.880	1.875	(0.472)	771	20.0000	33.7(QM)
18 1,2-Dichloroethene (trans)	96	1.975	1.980	(0.495)	13545	10.0000	7.94
19 Methyl-tert-butyl ether	73	1.975	1.980	(0.495)	52308	20.0000	16.0
20 n-Hexane	57	2.142	2.147	(0.537)	21403	10.0000	7.89
21 1,1-Dichloroethane	63	2.252	2.257	(0.565)	23685	10.0000	8.06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.573)	42272	40.0000	28.0
	143 Chloroprene	53	2.314	2.320	(0.580)	25976	10.0000	7.66
	24 2,2-Dichloropropane	77	2.707	2.712	(0.679)	9679	10.0000	15.5
	25 1,2-Dichloroethene (cis)	96	2.707	2.712	(0.679)	14937	10.0000	8.00
	26 2-Butanone	43	2.728	2.728	(0.684)	18255	50.0000	41.2
	27 Propionitrile	54	2.796	2.796	(0.701)	669	10.0000	5.62(M)
	144 Methacrylonitrile	41	2.921	2.926	(0.732)	4659	50.0000	39.2
	28 1,2-dichlorotrifluoroethane	67	1.451	1.457	(0.364)	13355	10.0000	7.76
	29 Bromochloromethane	49	2.932	2.937	(0.735)	9465	10.0000	8.75
	30 Tetrahydrofuran	42	2.984	2.989	(0.748)	4419	10.0000	6.84
	31 Chloroform	83	3.005	3.010	(0.753)	27994	10.0000	7.61
$	32 Dibromofluoromethane (S)	113	3.172	3.177	(0.795)	100966	50.0000	50.8
	33 1,1,1-Trichloroethane	97	3.193	3.198	(0.801)	26883	10.0000	7.54
	35 Carbon Tetrachloride	117	3.371	3.381	(0.845)	23850	10.0000	7.49
	36 1,1-Dichloropropene	75	3.376	3.381	(0.847)	21515	10.0000	7.77
	37 Isobutyl alcohol	43	3.737	3.742	(0.937)	10175	10.0000	7.66(M)
	140 Cyclohexane	56	3.251	3.256	(0.815)	25253	10.0000	7.99
	38 Benzene	78	3.622	3.627	(0.908)	53984	10.0000	7.98
	39 1,2-Dichloroethane	62	3.648	3.659	(0.915)	18032	10.0000	7.65(M)
	138 2,2,4-Trimethylpentane	57	3.737	3.747	(0.937)	55826	10.0000	7.84
	141 Methylcyclohexane	55	4.668	4.678	(1.170)	22166	10.0000	7.77
*	40 Fluorobenzene	96	3.988	3.999	(1.000)	367716	50.0000	
	41 Trichloroethene	95	4.448	4.454	(1.115)	16084	10.0000	7.57
	42 1,2-Dichloropropane	63	4.720	4.726	(1.184)	13509	10.0000	7.31(M)
	43 Dibromomethane	93	4.856	4.862	(1.218)	7531	10.0000	7.65
	44 Methyl methacrylate	69	4.924	4.924	(1.235)	5359	10.0000	9.02
	45 Bromodichloromethane	83	5.060	5.060	(1.269)	19677	10.0000	7.67
	46 2-Chloroethyl vinyl ether	63	5.447	5.453	(0.755)	8104	20.0000	12.0
	47 cis-1,3-Dichloropropene	75	5.578	5.583	(0.773)	19776	10.0000	7.51
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	46547	50.0000	39.9
$	49 Toluene-d8	98	5.861	5.866	(0.812)	408402	50.0000	50.6
	50 Toluene	91	5.934	5.939	(0.822)	67535	10.0000	7.88
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	16288	10.0000	9.48
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	12695	10.0000	7.41
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	9236	10.0000	7.84
	54 Tetrachloroethene	166	6.504	6.509	(0.901)	20048	10.0000	7.23
	55 1,3-Dichloropropane	76	6.541	6.551	(0.906)	18866	10.0000	7.77
	56 2-Hexanone	43	6.661	6.661	(0.923)	34182	50.0000	41.1
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	14934	10.0000	7.28
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	11325	10.0000	7.75
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	339983	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	51096	10.0000	7.96
	61 1,1,1,2-Tetrachloroethane	131	7.304	7.309	(1.012)	17029	10.0000	7.72
	62 Ethylbenzene	106	7.330	7.335	(1.016)	28529	10.0000	7.99
	63 m&p-Xylene	106	7.419	7.424	(1.028)	71740	20.0000	17.0
	65 o-Xylene	106	7.696	7.696	(1.067)	35975	10.0000	8.33
	66 Styrene	104	7.707	7.712	(1.068)	56055	10.0000	8.24
	67 Bromoform	173	7.822	7.827	(0.897)	8193	10.0000	11.8
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	96980	10.0000	8.14
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	2693	10.0000	9.20
$	70 4-Bromofluorobenzene	95	8.036	8.036	(1.114)	174432	50.0000	51.1
	71 Bromobenzene	77	8.125	8.125	(1.126)	32708	10.0000	8.04
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	15596	10.0000	7.76
	73 1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	16525	10.0000	7.48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
74	n-Propylbenzene	91	8.199	8.204	(0.941)	116539	10.0000	8.04
75	2-Chlorotoluene	91	8.246	8.251	(0.946)	68815	10.0000	8.10
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	23283	10.0000	8.06
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	81788	10.0000	8.05
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	94618	10.0000	8.21
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	87022	10.0000	7.89
80	sec-Butylbenzene	105	8.617	8.622	(0.989)	117022	10.0000	8.25
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	45900	10.0000	7.99
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	200508	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	95060	10.0000	8.00
84	1,4-Dichlorobenzene	146	8.727	8.732	(1.001)	44507	10.0000	7.82
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	41545	10.0000	8.04
86	n-Butylbenzene	91	8.920	8.920	(1.023)	85071	10.0000	8.01
87	1,2-Dibromo-3-chloropropane	155	9.333	9.339	(1.071)	1883	10.0000	8.65
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	20111	10.0000	7.24
89	Hexachlorobutadiene	225	9.820	9.825	(1.127)	18670	10.0000	7.68
90	Naphthalene	128	9.872	9.872	(1.133)	29267	10.0000	9.02
91	1,2,3-Trichlorobenzene	180	9.992	9.998	(1.146)	16417	10.0000	8.65

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B03.d
Lab Smp Id: 10ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 10ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	367716	5.49
59 Chlorobenzene-d5	329556	164778	659112	339983	3.16
82 1,4-Dichlorobenze	197466	98733	394932	200508	1.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	3.99	-0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	-0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	10.4	
74-87-3	Chloromethane	11.4	
75-01-4	Vinyl Chloride	12.1	
74-83-9	Bromomethane	9.08	
79-20-9	Methyl Acetate	8.01	
75-00-3	Chloroethane	11.7	
75-69-4	Trichlorofluoromethane	13.4	
60-29-7	Diethyl ether	7.49	
107-02-8	Acrolein	237	
75-35-4	1,1-Dichloroethene	7.92	
76-13-1	1,1,2trichlorotrifluoroethan	7.90	
67-64-1	Acetone	38.2	
----------	Iodomethane	16.4	
75-15-0	Carbon Disulfide	15.8	
75-05-8	Acetonitrile	174	
107-05-1	allyl chloride	18.6	
75-09-2	Methylene Chloride	7.90	
107-13-1	Acrylonitrile	164	
75-65-0	tert-Butyl Alcohol	33.7	
156-60-5	1,2-Dichloroethene (trans)	7.94	
1634-04-4	Methyl-tert-butyl ether	16.0	
----------	n-Hexane	7.89	
75-34-3	1,1-Dichloroethane	8.06	
108-05-4	Vinyl Acetate	28.0	
126-99-8	Chloroprene	7.66	
594-20-7	2,2-Dichloropropane	15.5	
156-59-2	1,2-Dichloroethene (cis)	8.00	
78-93-3	2-Butanone	41.2	
107-12-0	Propionitrile	5.62	
126-98-7	Methacrylonitrile	39.2	
354-23-4	1,2-dichlorotrifluoroethane	7.76	
74-97-5	Bromochloromethane	8.75	
----------	Tetrahydrofuran	6.84	
67-66-3	Chloroform	7.61	
71-55-6	1,1,1-Trichloroethane	7.54	
56-23-5	Carbon Tetrachloride	7.49	
563-58-6	1,1-Dichloropropene	7.77	
78-83-1	Isobutyl alcohol	7.66	
110-82-7	Cyclohexane	7.99	
71-43-2	Benzene	7.98	
107-06-2	1,2-Dichloroethane	7.65	
540-84-1	2,2,4-Trimethylpentane	7.84	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	7.77	
79-01-6	Trichloroethene	7.57	
78-87-5	1,2-Dichloropropane	7.31	
74-95-3	Dibromomethane	7.65	
80-62-6	Methyl methacrylate	9.02	
75-27-4	Bromodichloromethane	7.67	
110-75-8	2-Chloroethyl vinyl ether	12.0	
10061-01-5	cis-1,3-Dichloropropene	7.51	
108-10-1	4-Methyl-2-Pentanone	39.9	
108-88-3	Toluene	7.88	
10061-02-6	trans-1,3-Dichloropropene	9.48	
----------	Ethyl Methacrylate	7.41	
79-00-5	1,1,2-Trichloroethane	7.84	
127-18-4	Tetrachloroethene	7.23	
142-28-9	1,3-Dichloropropane	7.77	
591-78-6	2-Hexanone	41.1	
124-48-1	Dibromochloromethane	7.28	
106-93-4	1,2-Dibromoethane	7.75	
108-90-7	Chlorobenzene	7.96	
630-20-6	1,1,1,2-Tetrachloroethane	7.72	
100-41-4	Ethylbenzene	7.99	
7816-60-0	m&p-Xylene	17.0	
95-47-6	o-Xylene	8.33	
100-42-5	Styrene	8.24	
75-25-2	Bromoform	11.8	
98-82-8	Isopropylbenzene	8.14	
----------	trans-1,4-Dichloro-2-butene	9.20	
108-86-1	Bromobenzene	8.04	
79-34-5	1,1,2,2-Tetrachloroethane	7.76	
96-18-4	1,2,3-Trichloropropane	7.48	
103-65-1	n-Propylbenzene	8.04	
95-49-8	2-Chlorotoluene	8.10	
106-43-4	4-Chlorotoluene	8.06	
108-67-8	1,3,5-Trimethylbenzene	8.05	
98-06-6	tert-Butylbenzene	8.21	
95-63-6	1,2,4-Trimethylbenzene	7.89	
135-98-8	sec-Butylbenzene	8.25	
541-73-1	1,3-Dichlorobenzene	7.99	
99-87-6	p-Isopropyltoluene	8.00	
106-46-7	1,4-Dichlorobenzene	7.82	
95-50-1	1,2-Dichlorobenzene	8.04	
104-51-8	n-Butylbenzene	8.01	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

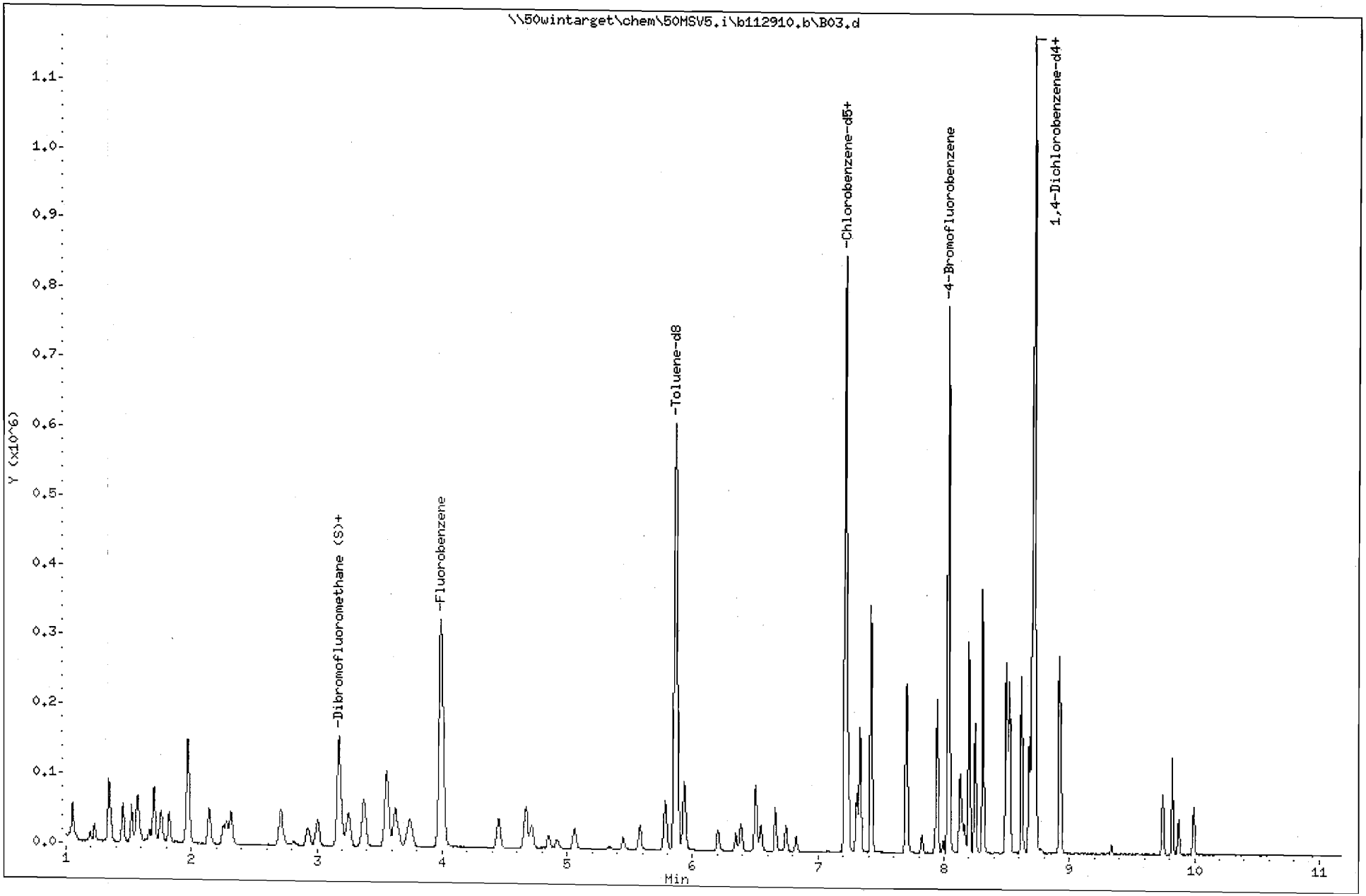
Client SDG: b112910.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	8.65	
120-82-1	1,2,4-Trichlorobenzene	7.24	
87-68-3	Hexachlorobutadiene	7.68	
91-20-3	Naphthalene	9.02	
87-61-6	1,2,3-Trichlorobenzene	8.65	
1868-53-7	Dibromofluoromethane (S)	50.8	
2037-26-5	Toluene-d8	50.6	
460-00-4	4-Bromofluorobenzene	51.1	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B03.d
Date : 29-NOV-2010 14:58
Client ID: 10ppb
Sample Info: 10ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B03.d

Date : 29-NOV-2010 14:58

Client ID: 10ppb

Instrument: 50MSV5.i

Sample Info: 10ppb

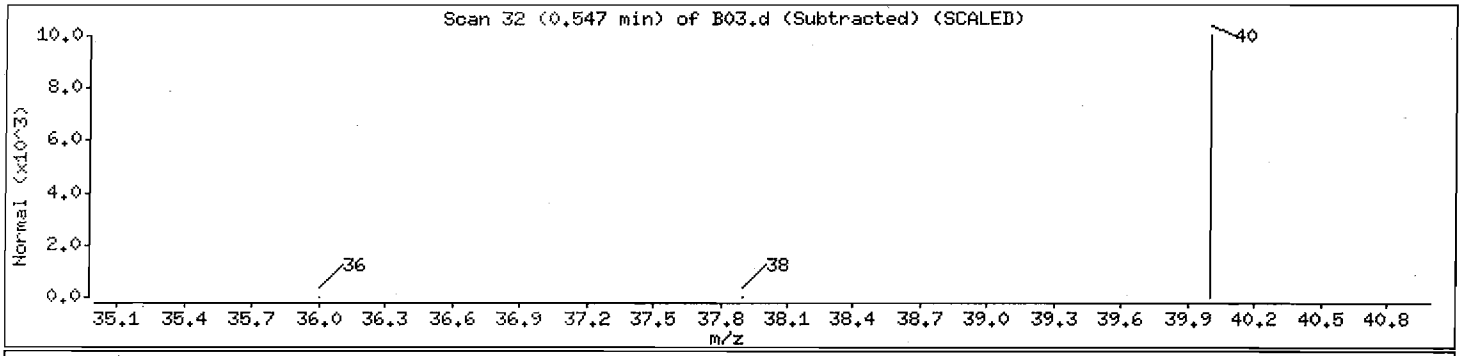
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B04.D
Lab Smp Id: 50ppb 34C-221/227 Client Smp ID: 50ppb
Inj Date : 29-NOV-2010 15:35
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 50ppb 34C-221/227
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	134584	50.0000	51.8
2 Chloromethane	50	0.997	1.002	(0.250)	109816	50.0000	50.0
3 Vinyl Chloride	62	1.049	1.049	(0.263)	91362	50.0000	50.0
4 Bromomethane	94	1.185	1.190	(0.297)	50579	50.0000	50.5
139 Methyl Acetate	43	1.760	1.765	(0.441)	60206	50.0000	52.7
5 Chloroethane	64	1.227	1.226	(0.307)	44645	50.0000	52.0
6 Trichlorofluoromethane	101	1.337	1.342	(0.335)	157555	50.0000	49.4
7 Diethyl ether	74	1.452	1.457	(0.364)	28977	50.0000	52.2
8 Acrolein	56	1.520	1.525	(0.381)	111959	1000.00	997
9 1,1-Dichloroethene	96	1.577	1.577	(0.395)	73728	50.0000	54.5
10 1,1,2trichlorotrifluoroethane	101	1.561	1.566	(0.391)	82791	50.0000	54.4
11 Acetone	43	1.593	1.598	(0.399)	62017	250.000	263
12 Iodomethane	142	1.661	1.666	(0.416)	181485	100.000	102
13 Carbon Disulfide	76	1.703	1.702	(0.426)	474262	100.000	109
142 Acetonitrile	39	1.755	1.760	(0.440)	125330	1000.00	1050
14 allyl chloride	41	1.755	1.760	(0.440)	160971	100.000	101
15 Methylene Chloride	84	1.823	1.828	(0.457)	69566	50.0000	52.2
16 Acrylonitrile	53	1.964	1.964	(0.492)	278916	1000.00	1090
17 tert-Butyl Alcohol	59	1.870	1.875	(0.468)	5294	100.000	92.0(QM)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.496)	88141	50.0000	54.5
19 Methyl-tert-butyl ether	73	1.975	1.980	(0.495)	354000	100.000	114
20 n-Hexane	57	2.147	2.147	(0.538)	137454	50.0000	53.4
21 1,1-Dichloroethane	63	2.257	2.257	(0.565)	173987	50.0000	51.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.572)	317464	200.000	225
	143 Chloroprene	53	2.320	2.320	(0.581)	175492	50.0000	54.6
	24 2,2-Dichloropropane	77	2.707	2.712	(0.678)	84811	50.0000	46.6
	25 1,2-Dichloroethene (cis)	96	2.712	2.712	(0.679)	97278	50.0000	54.9
	26 2-Butanone	43	2.728	2.728	(0.683)	117460	250.000	280
	27 Propionitrile	54	2.791	2.796	(0.699)	7172	50.0000	63.6(Q)
	144 Methacrylonitrile	41	2.921	2.926	(0.732)	30342	250.000	269
	28 1,2-dichlorotrifluoroethane	67	1.452	1.457	(0.364)	89395	50.0000	54.8
	29 Bromochloromethane	49	2.932	2.937	(0.734)	57531	50.0000	56.1
	30 Tetrahydrofuran	42	2.984	2.989	(0.747)	16871	50.0000	27.5
	31 Chloroform	83	3.005	3.010	(0.752)	185305	50.0000	53.1
$	32 Dibromofluoromethane (S)	113	3.172	3.177	(0.794)	93870	50.0000	49.9
	33 1,1,1-Trichloroethane	97	3.193	3.198	(0.800)	181936	50.0000	53.8
	35 Carbon Tetrachloride	117	3.376	3.381	(0.845)	163969	50.0000	54.3
	36 1,1-Dichloropropene	75	3.376	3.381	(0.845)	141685	50.0000	54.0
	37 Isobutyl alcohol	43	3.737	3.742	(0.936)	63905	50.0000	50.8
	140 Cyclohexane	56	3.251	3.256	(0.814)	159795	50.0000	53.4
	38 Benzene	78	3.622	3.627	(0.907)	344728	50.0000	53.8
	39 1,2-Dichloroethane	62	3.648	3.659	(0.914)	121729	50.0000	54.5
	138 2,2,4-Trimethylpentane	57	3.737	3.747	(0.936)	355350	50.0000	52.6
	141 Methylcyclohexane	55	4.668	4.678	(1.169)	147646	50.0000	54.6
*	40 Fluorobenzene	96	3.993	3.999	(1.000)	348595	50.0000	
	41 Trichloroethene	95	4.454	4.454	(1.115)	111054	50.0000	55.2
	42 1,2-Dichloropropane	63	4.720	4.726	(1.182)	93702	50.0000	53.5
	43 Dibromomethane	93	4.851	4.862	(1.215)	52131	50.0000	55.8
	44 Methyl methacrylate	69	4.919	4.924	(1.232)	39587	50.0000	51.6
	45 Bromodichloromethane	83	5.060	5.060	(1.267)	137022	50.0000	53.3
	46 2-Chloroethyl vinyl ether	63	5.447	5.453	(0.755)	52658	100.000	120
	145 1,4-Dioxane	88	4.919	4.919	(1.232)	328	50.0000	31.7(TQM)
	47 cis-1,3-Dichloropropene	75	5.578	5.583	(0.773)	148933	50.0000	53.5
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	303702	250.000	269
$	49 Toluene-d8	98	5.866	5.866	(0.813)	383393	50.0000	49.0
	50 Toluene	91	5.934	5.939	(0.822)	441222	50.0000	53.1
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	127801	50.0000	50.2
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	89548	50.0000	53.9
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	63037	50.0000	55.2
	54 Tetrachloroethene	166	6.504	6.509	(0.901)	143475	50.0000	53.4
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	130200	50.0000	55.3
	56 2-Hexanone	43	6.661	6.661	(0.923)	221105	250.000	274
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	105874	50.0000	53.2
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	78305	50.0000	55.2
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	329556	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	336878	50.0000	54.1
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	116770	50.0000	54.6
	62 Ethylbenzene	106	7.330	7.335	(1.016)	188755	50.0000	54.6
	63 m&p-Xylene	106	7.419	7.424	(1.028)	450646	100.000	110
	65 o-Xylene	106	7.696	7.696	(1.067)	224151	50.0000	53.5
	66 Styrene	104	7.707	7.712	(1.068)	367885	50.0000	55.8
	67 Bromoform	173	7.822	7.827	(0.897)	59441	50.0000	48.3
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	636918	50.0000	55.1
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	22522	50.0000	49.5(Q)
$	70 4-Bromofluorobenzene	95	8.036	8.036	(1.114)	165020	50.0000	49.9
	71 Bromobenzene	77	8.125	8.125	(1.126)	212377	50.0000	53.8
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	101680	50.0000	51.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
73	1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	104914	50.0000	48.2
74	n-Propylbenzene	91	8.199	8.204	(0.941)	750380	50.0000	52.6
75	2-Chlorotoluene	91	8.246	8.251	(0.946)	434783	50.0000	52.0
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	152018	50.0000	53.4
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	521073	50.0000	52.1
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	600921	50.0000	53.0
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	543465	50.0000	50.0
80	sec-Butylbenzene	105	8.617	8.622	(0.989)	747737	50.0000	53.5
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	298353	50.0000	52.7
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	197466	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	627265	50.0000	53.6
84	1,4-Dichlorobenzene	146	8.727	8.732	(1.001)	296436	50.0000	52.9
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	272267	50.0000	53.5
86	n-Butylbenzene	91	8.920	8.920	(1.023)	576000	50.0000	55.1
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	14969	50.0000	50.0
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	186737	50.0000	51.9
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	127291	50.0000	53.2
90	Naphthalene	128	9.872	9.872	(1.133)	339157	50.0000	48.2
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.147)	159762	50.0000	49.5
92	2,methyl-naphthalene	142	10.479	10.484	(1.202)	82327	50.0000	28.1

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B04.D
Lab Smp Id: 50ppb 34C-221/227
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	348595	0.00
59 Chlorobenzene-d5	329556	164778	659112	329556	0.00
82 1,4-Dichlorobenze	197466	98733	394932	197466	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	3.99	0.00
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb 34C-221/227
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	51.8	
74-87-3	Chloromethane	50.0	
75-01-4	Vinyl Chloride	50.0	
74-83-9	Bromomethane	50.5	
79-20-9	Methyl Acetate	52.7	
75-00-3	Chloroethane	52.0	
75-69-4	Trichlorofluoromethane	49.4	
60-29-7	Diethyl ether	52.2	
107-02-8	Acrolein	997	
75-35-4	1,1-Dichloroethene	54.5	
76-13-1	1,1,2trichlorotrifluoroethan	54.4	
67-64-1	Acetone	263	
----------	Iodomethane	102	
75-15-0	Carbon Disulfide	109	
75-05-8	Acetonitrile	1050	
107-05-1	allyl chloride	101	
75-09-2	Methylene Chloride	52.2	
107-13-1	Acrylonitrile	1090	
75-65-0	tert-Butyl Alcohol	92.0	
156-60-5	1,2-Dichloroethene (trans)	54.5	
1634-04-4	Methyl-tert-butyl ether	114	
----------	n-Hexane	53.4	
75-34-3	1,1-Dichloroethane	51.1	
108-05-4	Vinyl Acetate	225	
126-99-8	Chloroprene	54.6	
594-20-7	2,2-Dichloropropane	46.6	
156-59-2	1,2-Dichloroethene (cis)	54.9	
78-93-3	2-Butanone	280	
107-12-0	Propionitrile	63.6	
126-98-7	Methacrylonitrile	269	
354-23-4	1,2-dichlorotrifluoroethane	54.8	
74-97-5	Bromochloromethane	56.1	
----------	Tetrahydrofuran	27.5	
67-66-3	Chloroform	53.1	
71-55-6	1,1,1-Trichloroethane	53.8	
56-23-5	Carbon Tetrachloride	54.3	
563-58-6	1,1-Dichloropropene	54.0	
78-83-1	Isobutyl alcohol	50.8	
110-82-7	Cyclohexane	53.4	
71-43-2	Benzene	53.8	
107-06-2	1,2-Dichloroethane	54.5	
540-84-1	2,2,4-Trimethylpentane	52.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb 34C-221/227
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	54.6	
79-01-6	Trichloroethene	55.2	
78-87-5	1,2-Dichloropropane	53.5	
74-95-3	Dibromomethane	55.8	
80-62-6	Methyl methacrylate	51.6	
75-27-4	Bromodichloromethane	53.3	
110-75-8	2-Chloroethyl vinyl ether	120	
	1,4-Dioxane	31.7	
10061-01-5	cis-1,3-Dichloropropene	53.5	
108-10-1	4-Methyl-2-Pentanone	269	
108-88-3	Toluene	53.1	
10061-02-6	trans-1,3-Dichloropropene	50.2	
	Ethyl Methacrylate	53.9	
79-00-5	1,1,2-Trichloroethane	55.2	
127-18-4	Tetrachloroethene	53.4	
142-28-9	1,3-Dichloropropane	55.3	
591-78-6	2-Hexanone	274	
124-48-1	Dibromochloromethane	53.2	
106-93-4	1,2-Dibromoethane	55.2	
108-90-7	Chlorobenzene	54.1	
630-20-6	1,1,1,2-Tetrachloroethane	54.6	
100-41-4	Ethylbenzene	54.6	
7816-60-0	m&p-Xylene	110	
95-47-6	o-Xylene	53.5	
100-42-5	Styrene	55.8	
75-25-2	Bromoform	48.3	
98-82-8	Isopropylbenzene	55.1	
	trans-1,4-Dichloro-2-butene	49.5	
108-86-1	Bromobenzene	53.8	
79-34-5	1,1,2,2-Tetrachloroethane	51.4	
96-18-4	1,2,3-Trichloropropane	48.2	
103-65-1	n-Propylbenzene	52.6	
95-49-8	2-Chlorotoluene	52.0	
106-43-4	4-Chlorotoluene	53.4	
108-67-8	1,3,5-Trimethylbenzene	52.1	
98-06-6	tert-Butylbenzene	53.0	
95-63-6	1,2,4-Trimethylbenzene	50.0	
135-98-8	sec-Butylbenzene	53.5	
541-73-1	1,3-Dichlorobenzene	52.7	
99-87-6	p-Isopropyltoluene	53.6	
106-46-7	1,4-Dichlorobenzene	52.9	
95-50-1	1,2-Dichlorobenzene	53.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb 34C-221/227
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

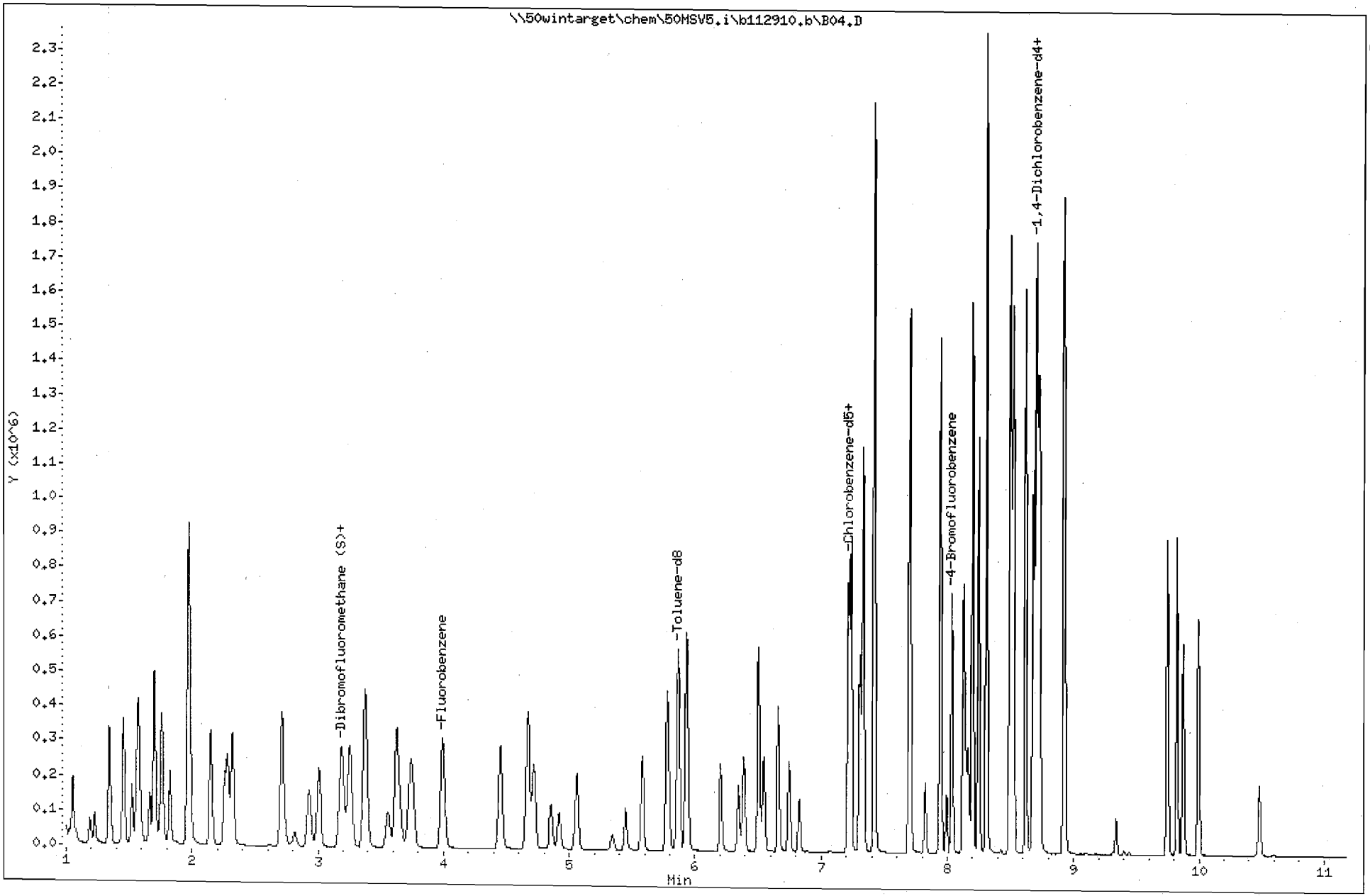
Client SDG: b112910.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	55.1	
96-12-8	1,2-Dibromo-3-chloropropane	50.0	
120-82-1	1,2,4-Trichlorobenzene	51.9	
87-68-3	Hexachlorobutadiene	53.2	
91-20-3	Naphthalene	48.2	
87-61-6	1,2,3-Trichlorobenzene	49.5	
----------	2,methyl-naphthalene	28.1	
1868-53-7	Dibromofluoromethane (S)	49.9	
2037-26-5	Toluene-d8	49.0	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B04.D
Date : 29-NOV-2010 15:35
Client ID: 50ppb
Sample Info: 50ppb 34C-221/227
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B04.D

Date : 29-NOV-2010 15:35

Client ID: 50ppb

Instrument: 50MSV5.i

Sample Info: 50ppb 34C-221/227

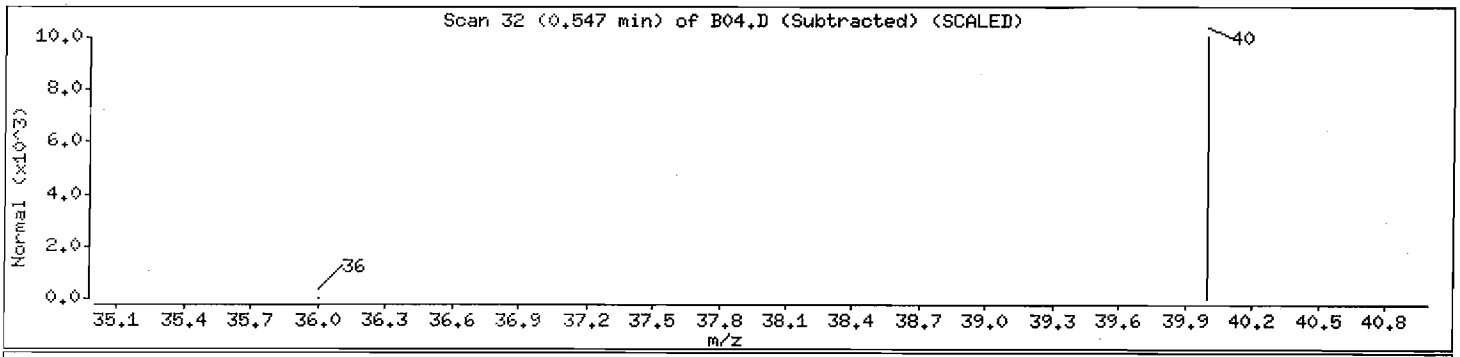
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B04CCV.D
Lab Smp Id: ccv 34C-221/227 Client Smp ID: ccv
Inj Date : 29-NOV-2010 15:35
Operator : rsw Inst ID: 50MSV5.i
Smp Info : ccv 34C-221/227
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	134584	50.0000	51.8
2 Chloromethane	50	0.997	1.002	(0.250)	109816	50.0000	50.0
3 Vinyl Chloride	62	1.049	1.049	(0.263)	91362	50.0000	50.0
4 Bromomethane	94	1.185	1.190	(0.297)	50579	50.0000	50.5
139 Methyl Acetate	43	1.760	1.765	(0.441)	60206	50.0000	52.7
5 Chloroethane	64	1.227	1.226	(0.307)	44645	50.0000	52.0
6 Trichlorofluoromethane	101	1.337	1.342	(0.335)	157555	50.0000	49.4
7 Diethyl ether	74	1.452	1.457	(0.364)	28977	50.0000	52.2
8 Acrolein	56	1.520	1.525	(0.381)	111959	1000.00	997
9 1,1-Dichloroethene	96	1.577	1.577	(0.395)	73728	50.0000	54.5
10 1,1,2trichlorotrifluoroethane	101	1.561	1.566	(0.391)	82791	50.0000	54.4
11 Acetone	43	1.593	1.598	(0.399)	62017	250.000	263
12 Iodomethane	142	1.661	1.666	(0.416)	181485	100.000	102
13 Carbon Disulfide	76	1.703	1.702	(0.426)	474262	100.000	109
142 Acetonitrile	39	1.755	1.760	(0.440)	125330	1000.00	1050
14 allyl chloride	41	1.755	1.760	(0.440)	160971	100.000	101
15 Methylene Chloride	84	1.823	1.828	(0.457)	69566	50.0000	52.2
16 Acrylonitrile	53	1.964	1.964	(0.492)	278916	1000.00	1090
17 tert-Butyl Alcohol	59	1.870	1.875	(0.468)	5294	100.000	92.0(M)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.496)	88141	50.0000	54.5
19 Methyl-tert-butyl ether	73	1.975	1.980	(0.495)	354000	100.000	114
20 n-Hexane	57	2.147	2.147	(0.538)	137454	50.0000	53.4
21 1,1-Dichloroethane	63	2.257	2.257	(0.565)	173987	50.0000	51.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.572)	317464	200.000	225
	143 Chloroprene	53	2.320	2.320	(0.581)	175492	50.0000	54.6
	24 2,2-Dichloropropane	77	2.707	2.712	(0.678)	84811	50.0000	46.6
	25 1,2-Dichloroethene (cis)	96	2.712	2.712	(0.679)	97278	50.0000	54.9
	26 2-Butanone	43	2.728	2.728	(0.683)	117460	250.000	280
	27 Propionitrile	54	2.791	2.796	(0.699)	7172	50.0000	63.6
	144 Methacrylonitrile	41	2.921	2.926	(0.732)	30342	250.000	269
	28 1,2-dichlorotrifluoroethane	67	1.452	1.457	(0.364)	89395	50.0000	54.8
	29 Bromochloromethane	49	2.932	2.937	(0.734)	57531	50.0000	56.1
	30 Tetrahydrofuran	42	2.984	2.989	(0.747)	16871	50.0000	27.5
	31 Chloroform	83	3.005	3.010	(0.752)	185305	50.0000	53.1
$	32 Dibromofluoromethane (S)	113	3.172	3.177	(0.794)	93870	50.0000	49.9
	33 1,1,1-Trichloroethane	97	3.193	3.198	(0.800)	181936	50.0000	53.8
	35 Carbon Tetrachloride	117	3.376	3.381	(0.845)	163969	50.0000	54.3
	36 1,1-Dichloropropene	75	3.376	3.381	(0.845)	141685	50.0000	54.0
	37 Isobutyl alcohol	43	3.737	3.742	(0.936)	63905	50.0000	50.8
	140 Cyclohexane	56	3.251	3.256	(0.814)	159795	50.0000	53.4
	38 Benzene	78	3.622	3.627	(0.907)	344728	50.0000	53.8
	39 1,2-Dichloroethane	62	3.648	3.659	(0.914)	121729	50.0000	54.5
	138 2,2,4-Trimethylpentane	57	3.737	3.747	(0.936)	355350	50.0000	52.6
	141 Methylcyclohexane	55	4.668	4.678	(1.169)	147646	50.0000	54.6
*	40 Fluorobenzene	96	3.993	3.999	(1.000)	348595	50.0000	
	41 Trichloroethene	95	4.454	4.454	(1.115)	111054	50.0000	55.2
	42 1,2-Dichloropropane	63	4.720	4.726	(1.182)	93702	50.0000	53.5
	43 Dibromomethane	93	4.851	4.862	(1.215)	52131	50.0000	55.8
	44 Methyl methacrylate	69	4.919	4.924	(1.232)	39587	50.0000	51.6
	45 Bromodichloromethane	83	5.060	5.060	(1.267)	137022	50.0000	53.3
	46 2-Chloroethyl vinyl ether	63	5.447	5.453	(0.755)	52658	100.000	120
	145 1,4-Dioxane	88	4.919	4.919	(1.232)	328	50.0000	31.7(QM)
	47 cis-1,3-Dichloropropene	75	5.578	5.583	(0.773)	148933	50.0000	53.5
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	303702	250.000	269
$	49 Toluene-d8	98	5.866	5.866	(0.813)	383393	50.0000	49.0
	50 Toluene	91	5.934	5.939	(0.822)	441222	50.0000	53.1
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	127801	50.0000	50.2
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	89548	50.0000	53.9
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	63037	50.0000	55.2
	54 Tetrachloroethene	166	6.504	6.509	(0.901)	143475	50.0000	53.4
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	130200	50.0000	55.3
	56 2-Hexanone	43	6.661	6.661	(0.923)	221105	250.000	274
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	105874	50.0000	53.2
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	78305	50.0000	55.2
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	329556	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	336878	50.0000	54.1
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	116770	50.0000	54.6
	62 Ethylbenzene	106	7.330	7.335	(1.016)	188755	50.0000	54.6
	63 m&p-Xylene	106	7.419	7.424	(1.028)	450646	100.000	110
	65 o-Xylene	106	7.696	7.696	(1.067)	224151	50.0000	53.5
	66 Styrene	104	7.707	7.712	(1.068)	367885	50.0000	55.8
	67 Bromoform	173	7.822	7.827	(0.897)	59441	50.0000	48.3
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	636918	50.0000	55.1
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	22522	50.0000	49.5(Q)
$	70 4-Bromofluorobenzene	95	8.036	8.036	(1.114)	165020	50.0000	49.9
	71 Bromobenzene	77	8.125	8.125	(1.126)	212377	50.0000	53.8
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	101680	50.0000	51.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
73	1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	104914	50.0000	48.2	
74	n-Propylbenzene	91	8.199	8.204	(0.941)	750380	50.0000	52.6	
75	2-Chlorotoluene	91	8.246	8.251	(0.946)	434783	50.0000	52.0	
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	152018	50.0000	53.4	
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	521073	50.0000	52.1	
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	600921	50.0000	53.0	
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	543465	50.0000	50.0	
80	sec-Butylbenzene	105	8.617	8.622	(0.989)	747737	50.0000	53.5	
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	298353	50.0000	52.7	
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	197466	50.0000		(Q)
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	627265	50.0000	53.6	
84	1,4-Dichlorobenzene	146	8.727	8.732	(1.001)	296436	50.0000	52.9	
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	272267	50.0000	53.5	
86	n-Butylbenzene	91	8.920	8.920	(1.023)	576000	50.0000	55.1	
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	14969	50.0000	50.0	
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	186737	50.0000	51.9	
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	127291	50.0000	53.2	
90	Naphthalene	128	9.872	9.872	(1.133)	339157	50.0000	48.2	
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.147)	159762	50.0000	49.5	
92	2,methyl-naphthalene	142	10.479	10.484	(1.202)	82327	50.0000	28.1	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B04CCV.D
Lab Smp Id: ccv 34C-221/227
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 15:35
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	348595	0.00
59 Chlorobenzene-d5	329556	164778	659112	329556	0.00
82 1,4-Dichlorobenze	197466	98733	394932	197466	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	3.99	0.00
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 29-NOV-2010 15:35
Lab File ID: B04CCV.D Init. Cal. Date(s): 24-NOV-2010 29-NOV-2010
Analysis Type: WATER Init. Cal. Times: 17:28 18:04
Lab Sample ID: ccv 34C-221/227 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	50.00000	51.81317	0.38608	0.100	3.62635	0.000e+000	Linear	
2 Chloromethane	0.31495	0.31502	0.31502	0.100	0.02388	20.00000	Averaged	
3 Vinyl Chloride	50.00000	49.95437	0.26209	0.100	-0.09126	0.000e+000	Linear	
4 Bromomethane	50.00000	50.48792	0.14509	0.100	0.97584	0.000e+000	Linear	
139 Methyl Acetate	0.16396	0.17271	0.17271	0.100	5.33864	20.00000	Averaged	
5 Chloroethane	50.00000	52.00026	0.12807	0.100	4.00053	0.000e+000	Linear	
6 Trichlorofluoromethane	0.45713	0.45197	0.45197	0.100	-1.12788	20.00000	Averaged	
7 Diethyl ether	0.07964	0.08313	0.08313	0.100	4.38045	20.00000	Averaged	
8 Acrolein	1000	997	0.01606	0.100	-0.33700	0.000e+000	Linear	
9 1,1-Dichloroethene	0.19414	0.21150	0.21150	0.100	8.94431	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	0.21821	0.23750	0.23750	0.100	8.83762	20.00000	Averaged	
11 Acetone	250	263	0.03558	0.100	5.39569	0.000e+000	Linear	
12 Iodomethane	100	102	0.26031	0.100	2.19646	0.000e+000	Linear	
13 Carbon Disulfide	0.62482	0.68025	0.68025	0.100	8.87063	20.00000	Averaged	
142 Acetonitrile	1000	1050	0.01798	0.100	5.00532	0.000e+000	Linear	
14 allyl chloride	100	101	0.23089	0.100	1.28647	0.000e+000	Linear	
15 Methylene Chloride	50.00000	52.17031	0.19956	0.100	4.34062	0.000e+000	Linear	
16 Acrylonitrile	0.03654	0.04001	0.04001	0.100	9.49538	20.00000	Averaged	
17 tert-Butyl Alcohol	100	91.95524	0.00759	0.100	-8.04476	0.000e+000	Linear	
18 1,2-Dichloroethene (trans)	0.23187	0.25285	0.25285	0.100	9.04534	20.00000	Averaged	
19 Methyl-tert-butyl ether	0.44521	0.50775	0.50775	0.100	14.04751	20.00000	Averaged	
20 n-Hexane	0.36879	0.39431	0.39431	0.100	6.91899	20.00000	Averaged	
21 1,1-Dichloroethane	50.00000	51.14732	0.49911	0.100	2.29464	0.000e+000	Linear	
23 Vinyl Acetate	200	225	0.22767	0.100	12.52931	0.000e+000	Linear	
143 Chloroprene	0.46090	0.50343	0.50343	0.100	9.22666	20.00000	Averaged	
24 2,2-Dichloropropane	50.00000	46.65044	0.24329	0.100	-6.69913	0.000e+000	Linear	
25 1,2-Dichloroethene (cis)	0.25402	0.27906	0.27906	0.100	9.85438	20.00000	Averaged	
26 2-Butanone	0.06020	0.06739	0.06739	0.100	11.94950	20.00000	Averaged	
27 Propionitrile	0.01618	0.02057	0.02057	0.100	27.16928	20.00000	Averaged	<-
144 Methacrylonitrile	0.01616	0.01741	0.01741	0.100	7.71360	20.00000	Averaged	
28 1,2-dichlorotrifluoroethane	0.23401	0.25644	0.25644	0.100	9.58632	20.00000	Averaged	
29 Bromochloromethane	0.14701	0.16504	0.16504	0.100	12.25915	20.00000	Averaged	
30 Tetrahydrofuran	0.08787	0.04840	0.04840	0.100	-44.91987	20.00000	Averaged	<-
31 Chloroform	0.50009	0.53158	0.53158	0.100	6.29715	20.00000	Averaged	
$ 32 Dibromofluoromethane (S)	0.27003	0.26928	0.26928	0.100	-0.27795	20.00000	Averaged	
33 1,1,1-Trichloroethane	0.48488	0.52191	0.52191	0.100	7.63763	20.00000	Averaged	
35 Carbon Tetrachloride	0.43302	0.47037	0.47037	0.100	8.62668	20.00000	Averaged	
36 1,1-Dichloropropene	0.37628	0.40645	0.40645	0.100	8.01630	20.00000	Averaged	
37 Isobutyl alcohol	0.18051	0.18332	0.18332	0.100	1.55747	20.00000	Averaged	
140 Cyclohexane	0.42954	0.45840	0.45840	0.100	6.71769	20.00000	Averaged	
38 Benzene	0.91931	0.98891	0.98891	0.100	7.57106	20.00000	Averaged	
39 1,2-Dichloroethane	0.32035	0.34920	0.34920	0.100	9.00691	20.00000	Averaged	
138 2,2,4-Trimethylpentane	0.96803	1.01938	1.01938	0.100	5.30472	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 29-NOV-2010 15:35
Lab File ID: B04CCV.D Init. Cal. Date(s): 24-NOV-2010 29-NOV-2010
Analysis Type: WATER Init. Cal. Times: 17:28 18:04
Lab Sample ID: ccv 34C-221/227 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	0.38803	0.42355	0.42355	0.100	9.15223	20.00000	Averaged	
41 Trichloroethene	0.28872	0.31858	0.31858	0.100	10.34123	20.00000	Averaged	
42 1,2-Dichloropropane	0.25115	0.26880	0.26880	0.100	7.02720	20.00000	Averaged	
43 Dibromomethane	0.13390	0.14955	0.14955	0.100	11.68532	20.00000	Averaged	
44 Methyl methacrylate	50.00000	51.64523	0.11356	0.100	3.29046	0.000e+000	Linear	
45 Bromodichloromethane	50.00000	53.29278	0.39307	0.100	6.58556	0.000e+000	Linear	
46 2-Chloroethyl vinyl ether	100	121	0.07989	0.100	20.50955	0.000e+000	Linear	
145 1,4-Dioxane	0.00148	0.00094	0.00094	0.100	-36.60583	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	53.49095	0.45192	0.100	6.98191	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	0.17139	0.18431	0.18431	0.100	7.54049	20.00000	Averaged	
$ 49 Toluene-d8	1.18622	1.16336	1.16336	0.100	-1.92723	20.00000	Averaged	
50 Toluene	1.26106	1.33884	1.33884	0.100	6.16775	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	50.25445	0.38780	0.100	0.50891	0.000e+000	Linear	
52 Ethyl Methacrylate	0.25208	0.27172	0.27172	0.100	7.79129	20.00000	Averaged	
53 1,1,2-Trichloroethane	0.17315	0.19128	0.19128	0.100	10.46964	20.00000	Averaged	
54 Tetrachloroethene	0.40772	0.43536	0.43536	0.100	6.77876	20.00000	Averaged	
55 1,3-Dichloropropane	0.35714	0.39508	0.39508	0.100	10.62154	20.00000	Averaged	
56 2-Hexanone	0.12234	0.13418	0.13418	0.100	9.67924	20.00000	Averaged	
57 Dibromochloromethane	0.30182	0.32126	0.32126	0.100	6.44153	20.00000	Averaged	
58 1,2-Dibromoethane	0.21499	0.23761	0.23761	0.100	10.51937	20.00000	Averaged	
60 Chlorobenzene	0.94422	1.02222	1.02222	0.300	8.26105	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	0.32461	0.35433	0.35433	0.100	9.15362	20.00000	Averaged	
62 Ethylbenzene	0.52480	0.57276	0.57276	0.100	9.13869	20.00000	Averaged	
63 m&p-Xylene	0.62161	0.68372	0.68372	0.100	9.99122	20.00000	Averaged	
65 o-Xylene	0.63510	0.68016	0.68016	0.100	7.09493	20.00000	Averaged	
66 Styrene	1.00105	1.11630	1.11630	0.100	11.51317	20.00000	Averaged	
67 Bromoform	50.00000	48.34218	0.30102	0.100	-3.31565	0.000e+000	Linear	
68 Isopropylbenzene	1.75270	1.93265	1.93265	0.100	10.26737	20.00000	Averaged	
69 trans-1,4-Dichloro-2-butene	50.00000	49.47079	0.06834	0.100	-1.05843	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.50198	0.50073	0.50073	0.100	-0.24717	20.00000	Averaged	
71 Bromobenzene	0.59860	0.64443	0.64443	0.100	7.65698	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.50085	0.51492	0.51492	0.300	2.80984	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.55066	0.53130	0.53130	0.100	-3.51538	20.00000	Averaged	
74 n-Propylbenzene	3.61532	3.80005	3.80005	0.100	5.10950	20.00000	Averaged	
75 2-Chlorotoluene	2.11733	2.20181	2.20181	0.100	3.99002	20.00000	Averaged	
76 4-Chlorotoluene	0.72008	0.76984	0.76984	0.100	6.91066	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.53324	2.63880	2.63880	0.100	4.16679	20.00000	Averaged	
78 tert-Butylbenzene	2.87327	3.04316	3.04316	0.100	5.91279	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.75043	2.75220	2.75220	0.100	0.06403	20.00000	Averaged	
80 sec-Butylbenzene	3.53588	3.78666	3.78666	0.100	7.09264	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.43225	1.51091	1.51091	0.100	5.49222	20.00000	Averaged	
83 p-Isopropyltoluene	2.96095	3.17657	3.17657	0.100	7.28208	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

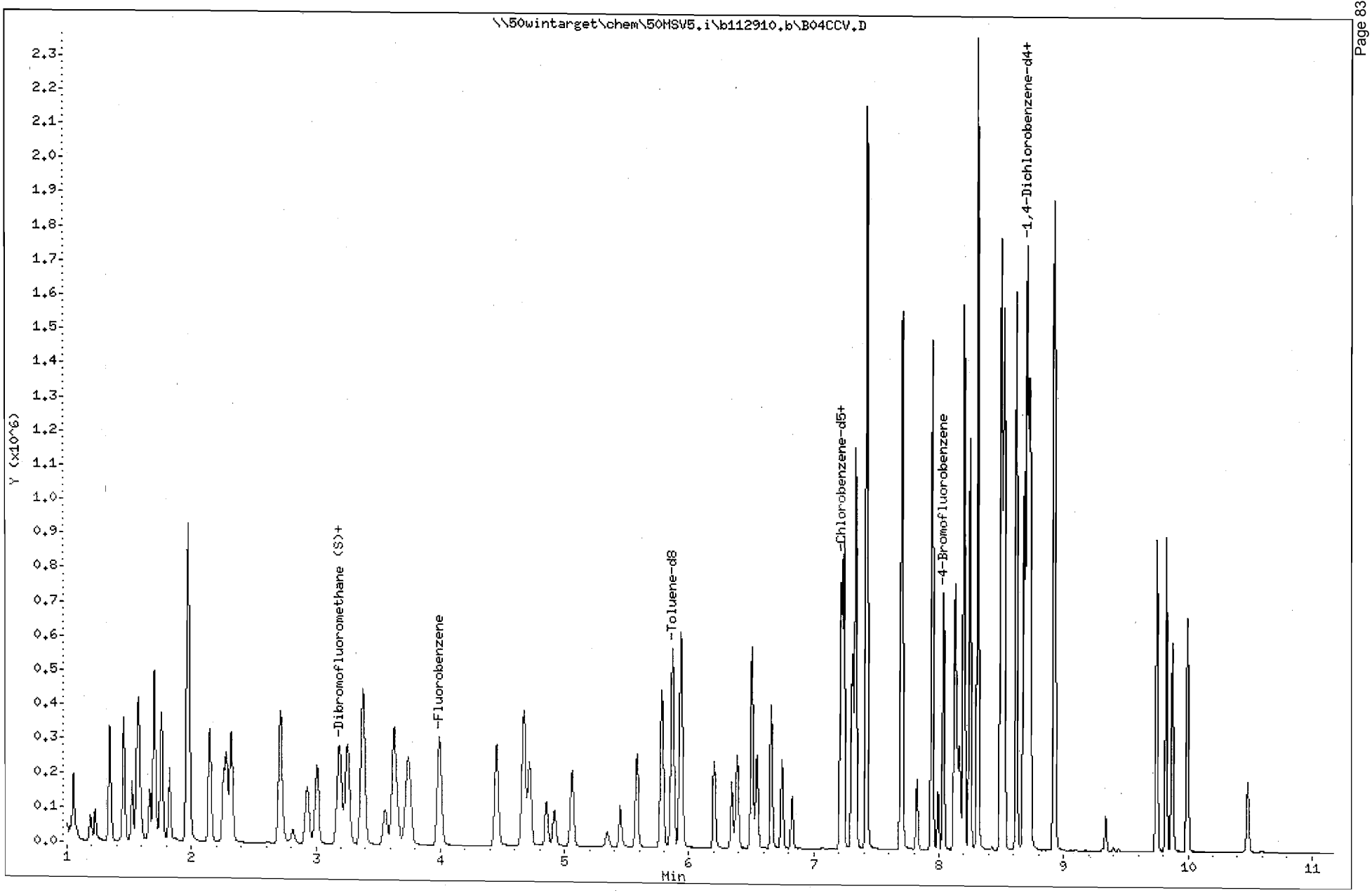
Instrument ID: 50MSV5.i Injection Date: 29-NOV-2010 15:35
Lab File ID: B04CCV.D Init. Cal. Date(s): 24-NOV-2010 29-NOV-2010
Analysis Type: WATER Init. Cal. Times: 17:28 18:04
Lab Sample ID: ccv 34C-221/227 Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
84 1,4-Dichlorobenzene	1.41966	1.50120	1.50120	0.100	5.74342	20.00000	Averaged	
85 1,2-Dichlorobenzene	1.28917	1.37880	1.37880	0.100	6.95308	20.00000	Averaged	
86 n-Butylbenzene	2.64765	2.91696	2.91696	0.100	10.17140	20.00000	Averaged	
87 1,2-Dibromo-3-chloropropane	50.00000	50.02979	0.07581	0.100	0.05959	0.000e+000	Linear	
88 1,2,4-Trichlorobenzene	50.00000	51.94646	0.94567	0.100	3.89293	0.000e+000	Linear	
89 Hexachlorobutadiene	0.60579	0.64462	0.64462	0.100	6.40945	20.00000	Averaged	
90 Naphthalene	50.00000	48.25028	1.71755	0.100	-3.49943	0.000e+000	Linear	
91 1,2,3-Trichlorobenzene	50.00000	49.51563	0.80906	0.100	-0.96873	0.000e+000	Linear	
92 2,methyl-naphthalene	0.74095	0.41692	0.41692	0.100	-43.73185	20.00000	Averaged	<-

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B04CCV.D
Date : 29-NOV-2010 15:35
Client ID: ccv
Sample Info: ccv 34C-221/227
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B04CCV.D

Date : 29-NOV-2010 15:35

Client ID: ccv

Instrument: 50MSV5.i

Sample Info: ccv 34C-221/227

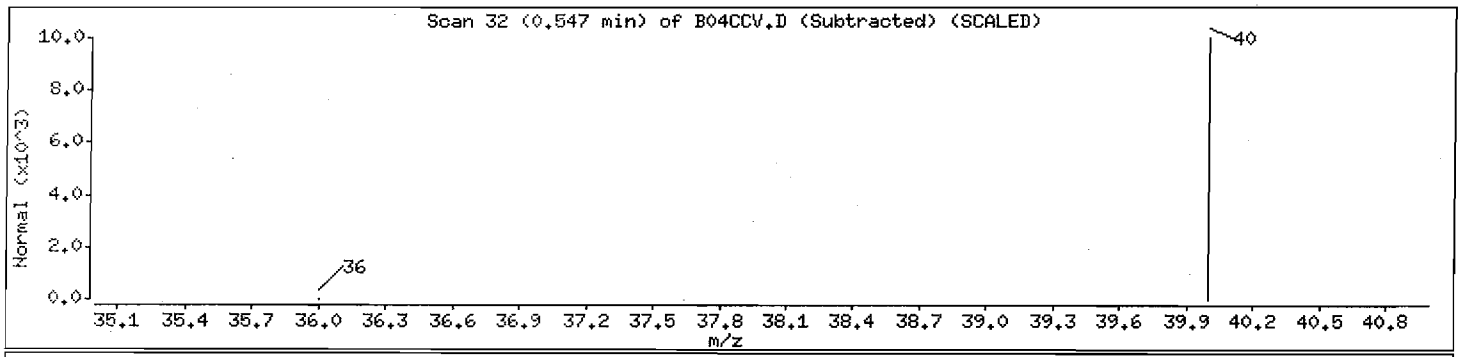
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B05.D
Lab Smp Id: 100ppb Client Smp ID: 100ppb
Inj Date : 29-NOV-2010 16:12
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 100ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	274997	100.000	105
2 Chloromethane	50	0.997	1.002	(0.250)	237081	100.000	102
3 Vinyl Chloride	62	1.044	1.049	(0.261)	188218	100.000	98.6
4 Bromomethane	94	1.185	1.190	(0.297)	112180	100.000	106
139 Methyl Acetate	43	1.760	1.765	(0.441)	116304	100.000	96.2
5 Chloroethane	64	1.227	1.226	(0.307)	89724	100.000	102
6 Trichlorofluoromethane	101	1.337	1.342	(0.335)	327004	100.000	97.1
7 Diethyl ether	74	1.452	1.457	(0.364)	59920	100.000	102
8 Acrolein	56	1.525	1.525	(0.382)	230849	2000.00	2000
9 1,1-Dichloroethene	96	1.577	1.577	(0.395)	147783	100.000	103
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.392)	167226	100.000	104
11 Acetone	43	1.593	1.598	(0.399)	118849	500.000	484
12 Iodomethane	142	1.661	1.666	(0.416)	365663	200.000	192
13 Carbon Disulfide	76	1.703	1.702	(0.426)	949117	200.000	206
142 Acetonitrile	39	1.760	1.760	(0.441)	260516	2000.00	2010
14 allyl chloride	41	1.755	1.760	(0.440)	347773	200.000	198
15 Methylene Chloride	84	1.823	1.828	(0.457)	137743	100.000	99.8
16 Acrylonitrile	53	1.964	1.964	(0.492)	534276	2000.00	1980
17 tert-Butyl Alcohol	59	1.875	1.875	(0.470)	12729	200.000	178(M)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.496)	174067	100.000	102
19 Methyl-tert-butyl ether	73	1.980	1.980	(0.496)	688130	200.000	210
20 n-Hexane	57	2.147	2.147	(0.538)	278334	100.000	102
21 1,1-Dichloroethane	63	2.257	2.257	(0.565)	353724	100.000	96.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.572)	596634	400.000	400
	143 Chloroprene	53	2.320	2.320	(0.581)	341314	100.000	100
	24 2,2-Dichloropropane	77	2.712	2.712	(0.679)	198788	100.000	89.2
	25 1,2-Dichloroethene (cis)	96	2.712	2.712	(0.679)	188988	100.000	101
	26 2-Butanone	43	2.728	2.728	(0.683)	222220	500.000	501
	27 Propionitrile	54	2.791	2.796	(0.699)	13770	100.000	115
	144 Methacrylonitrile	41	2.921	2.926	(0.732)	58406	500.000	490
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.365)	177690	100.000	103
	29 Bromochloromethane	49	2.932	2.937	(0.734)	110185	100.000	102
	30 Tetrahydrofuran	42	2.984	2.989	(0.747)	30390	100.000	46.9
	31 Chloroform	83	3.010	3.010	(0.754)	373886	100.000	101
$	32 Dibromofluoromethane (S)	113	3.178	3.177	(0.796)	102473	50.0000	51.5
	33 1,1,1-Trichloroethane	97	3.193	3.198	(0.800)	364859	100.000	102
	35 Carbon Tetrachloride	117	3.376	3.381	(0.845)	329539	100.000	103
	36 1,1-Dichloropropene	75	3.376	3.381	(0.845)	281938	100.000	102
	37 Isobutyl alcohol	43	3.748	3.742	(0.938)	137001	100.000	103
	140 Cyclohexane	56	3.256	3.256	(0.815)	319484	100.000	101
	38 Benzene	78	3.627	3.627	(0.908)	679953	100.000	100
	39 1,2-Dichloroethane	62	3.654	3.659	(0.915)	244803	100.000	104
	138 2,2,4-Trimethylpentane	57	3.743	3.747	(0.937)	744341	100.000	104
	141 Methylcyclohexane	55	4.674	4.678	(1.170)	296944	100.000	104
*	40 Fluorobenzene	96	3.994	3.999	(1.000)	368485	50.0000	
	41 Trichloroethene	95	4.454	4.454	(1.115)	219124	100.000	103
	42 1,2-Dichloropropane	63	4.721	4.726	(1.182)	185303	100.000	100
	43 Dibromomethane	93	4.857	4.862	(1.216)	99930	100.000	101
	44 Methyl methacrylate	69	4.919	4.924	(1.232)	77295	100.000	93.1
	45 Bromodichloromethane	83	5.061	5.060	(1.267)	273236	100.000	100
	46 2-Chloroethyl vinyl ether	63	5.448	5.453	(0.755)	99144	200.000	218
	145 1,4-Dioxane	88	4.909	4.919	(1.229)	958	100.000	87.6(QM)
	47 cis-1,3-Dichloropropene	75	5.578	5.583	(0.773)	296350	100.000	99.1
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	581402	500.000	482
$	49 Toluene-d8	98	5.866	5.866	(0.813)	412186	50.0000	49.4
	50 Toluene	91	5.939	5.939	(0.823)	867668	100.000	97.8
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	263272	100.000	93.5
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	177581	100.000	100
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	120319	100.000	98.8
	54 Tetrachloroethene	166	6.504	6.509	(0.901)	298320	100.000	104
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	250687	100.000	99.8
	56 2-Hexanone	43	6.661	6.661	(0.923)	424647	500.000	493
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	211295	100.000	99.5
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	154663	100.000	102
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	351675	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	650166	100.000	97.9
	61 1,1,1,2-Tetrachloroethane	131	7.310	7.309	(1.013)	233230	100.000	102
	62 Ethylbenzene	106	7.330	7.335	(1.016)	368177	100.000	99.7
	63 m&p-Xylene	106	7.419	7.424	(1.028)	836785	200.000	191
	65 o-Xylene	106	7.697	7.696	(1.067)	426221	100.000	95.4
	66 Styrene	104	7.707	7.712	(1.068)	699435	100.000	99.3
	67 Bromoform	173	7.822	7.827	(0.897)	121318	100.000	88.8
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	1220465	100.000	99.0
	69 trans-1,4-Dichloro-2-butene	53	8.173	8.172	(1.133)	48670	100.000	96.2(Q)
$	70 4-Bromofluorobenzene	95	8.037	8.036	(1.114)	174321	50.0000	49.4
	71 Bromobenzene	77	8.125	8.125	(1.126)	407305	100.000	96.7
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	193267	100.000	93.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
73	1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	209930	100.000	92.5
74	n-Propylbenzene	91	8.199	8.204	(0.941)	1426133	100.000	95.7
75	2-Chlorotoluene	91	8.246	8.251	(0.946)	827848	100.000	94.9
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	281522	100.000	94.9
77	1,3,5-Trimethylbenzene	105	8.309	8.308	(0.953)	976114	100.000	93.5
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	1118373	100.000	94.5
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	1033273	100.000	91.2
80	sec-Butylbenzene	105	8.617	8.622	(0.989)	1425373	100.000	97.8
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	573186	100.000	97.1
* 82	1,4-Dichlorobenzene-d4	152	8.717	8.716	(1.000)	205996	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	1194362	100.000	97.9
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.002)	564809	100.000	96.6
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	514634	100.000	96.9
86	n-Butylbenzene	91	8.920	8.920	(1.023)	1104496	100.000	101
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	31705	100.000	98.7
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	380437	100.000	99.6
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	258712	100.000	104
90	Naphthalene	128	9.872	9.872	(1.133)	721617	100.000	92.8
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.147)	327864	100.000	93.5
92	2,methyl-naphthalene	142	10.479	10.484	(1.202)	253034	100.000	82.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B05.D
Lab Smp Id: 100ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 100ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	368485	5.71
59 Chlorobenzene-d5	329556	164778	659112	351675	6.71
82 1,4-Dichlorobenze	197466	98733	394932	205996	4.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	3.99	0.00
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	105	
74-87-3	Chloromethane	102	
75-01-4	Vinyl Chloride	98.6	
74-83-9	Bromomethane	106	
79-20-9	Methyl Acetate	96.2	
75-00-3	Chloroethane	102	
75-69-4	Trichlorofluoromethane	97.1	
60-29-7	Diethyl ether	102	
107-02-8	Acrolein	2000	
75-35-4	1,1-Dichloroethene	103	
76-13-1	1,1,2trichlorotrifluoroethan	104	
67-64-1	Acetone	484	
----------	Iodomethane	192	
75-15-0	Carbon Disulfide	206	
75-05-8	Acetonitrile	2010	
107-05-1	allyl chloride	198	
75-09-2	Methylene Chloride	99.8	
107-13-1	Acrylonitrile	1980	
75-65-0	tert-Butyl Alcohol	178	
156-60-5	1,2-Dichloroethene (trans)	102	
1634-04-4	Methyl-tert-butyl ether	210	
----------	n-Hexane	102	
75-34-3	1,1-Dichloroethane	96.8	
108-05-4	Vinyl Acetate	400	
126-99-8	Chloroprene	100	
594-20-7	2,2-Dichloropropane	89.2	
156-59-2	1,2-Dichloroethene (cis)	101	
78-93-3	2-Butanone	501	
107-12-0	Propionitrile	115	
126-98-7	Methacrylonitrile	490	
354-23-4	1,2-dichlorotrifluoroethane	103	
74-97-5	Bromochloromethane	102	
----------	Tetrahydrofuran	46.9	
67-66-3	Chloroform	101	
71-55-6	1,1,1-Trichloroethane	102	
56-23-5	Carbon Tetrachloride	103	
563-58-6	1,1-Dichloropropene	102	
78-83-1	Isobutyl alcohol	103	
110-82-7	Cyclohexane	101	
71-43-2	Benzene	100	
107-06-2	1,2-Dichloroethane	104	
540-84-1	2,2,4-Trimethylpentane	104	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	104	
79-01-6	Trichloroethene	103	
78-87-5	1,2-Dichloropropane	100	
74-95-3	Dibromomethane	101	
80-62-6	Methyl methacrylate	93.1	
75-27-4	Bromodichloromethane	100	
110-75-8	2-Chloroethyl vinyl ether	218	
----------	1,4-Dioxane	87.6	
10061-01-5	cis-1,3-Dichloropropene	99.1	
108-10-1	4-Methyl-2-Pentanone	482	
108-88-3	Toluene	97.8	
10061-02-6	trans-1,3-Dichloropropene	93.5	
----------	Ethyl Methacrylate	100	
79-00-5	1,1,2-Trichloroethane	98.8	
127-18-4	Tetrachloroethene	104	
142-28-9	1,3-Dichloropropane	99.8	
591-78-6	2-Hexanone	493	
124-48-1	Dibromochloromethane	99.5	
106-93-4	1,2-Dibromoethane	102	
108-90-7	Chlorobenzene	97.9	
630-20-6	1,1,1,2-Tetrachloroethane	102	
100-41-4	Ethylbenzene	99.7	
7816-60-0	m&p-Xylene	191	
95-47-6	o-Xylene	95.4	
100-42-5	Styrene	99.3	
75-25-2	Bromoform	88.8	
98-82-8	Isopropylbenzene	99.0	
----------	trans-1,4-Dichloro-2-butene	96.2	
108-86-1	Bromobenzene	96.7	
79-34-5	1,1,2,2-Tetrachloroethane	93.7	
96-18-4	1,2,3-Trichloropropane	92.5	
103-65-1	n-Propylbenzene	95.7	
95-49-8	2-Chlorotoluene	94.9	
106-43-4	4-Chlorotoluene	94.9	
108-67-8	1,3,5-Trimethylbenzene	93.5	
98-06-6	tert-Butylbenzene	94.5	
95-63-6	1,2,4-Trimethylbenzene	91.2	
135-98-8	sec-Butylbenzene	97.8	
541-73-1	1,3-Dichlorobenzene	97.1	
99-87-6	p-Isopropyltoluene	97.9	
106-46-7	1,4-Dichlorobenzene	96.6	
95-50-1	1,2-Dichlorobenzene	96.9	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

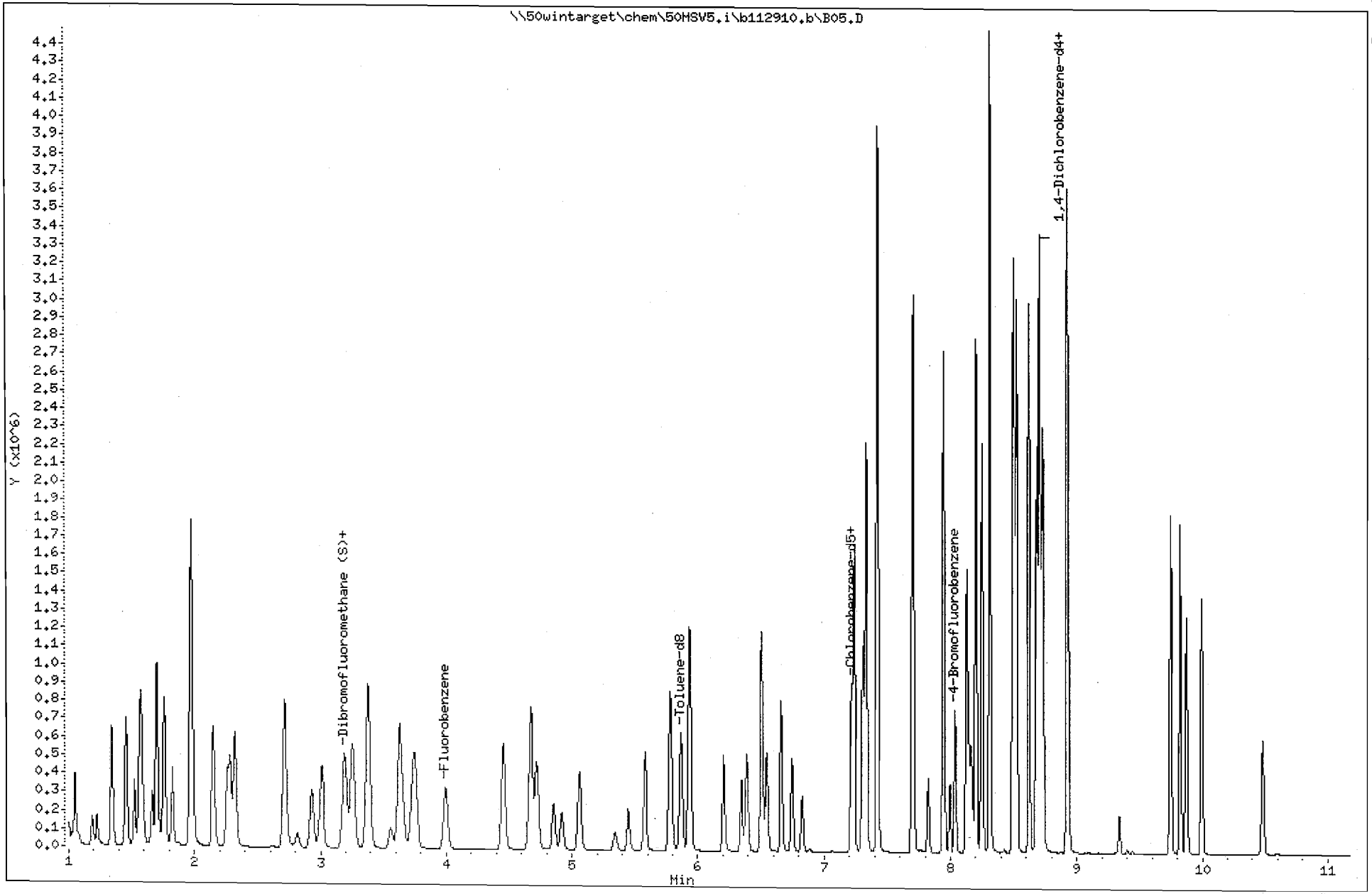
Client SDG: b112910.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	101	
96-12-8	1,2-Dibromo-3-chloropropane	98.7	
120-82-1	1,2,4-Trichlorobenzene	99.6	
87-68-3	Hexachlorobutadiene	104	
91-20-3	Naphthalene	92.8	
87-61-6	1,2,3-Trichlorobenzene	93.5	
----------	2,methyl-naphthalene	82.9	
1868-53-7	Dibromofluoromethane (S)	51.5	
2037-26-5	Toluene-d8	49.4	
460-00-4	4-Bromofluorobenzene	49.4	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B05.D
Date : 29-NOV-2010 16:12
Client ID: 100ppb
Sample Info: 100ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B05.D

Date : 29-NOV-2010 16:12

Client ID: 100ppb

Instrument: 50MSV5.i

Sample Info: 100ppb

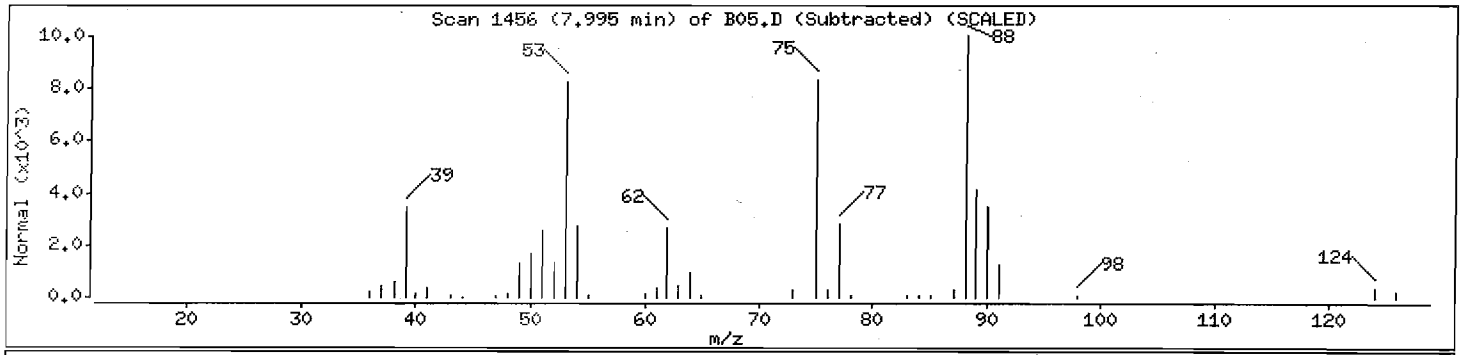
Purge Volume: 5.0

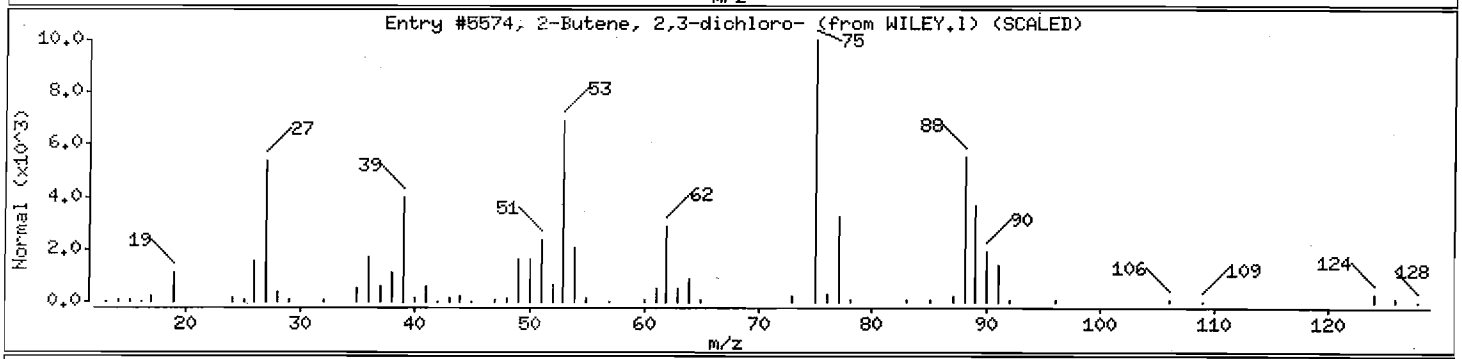
Operator: rsw

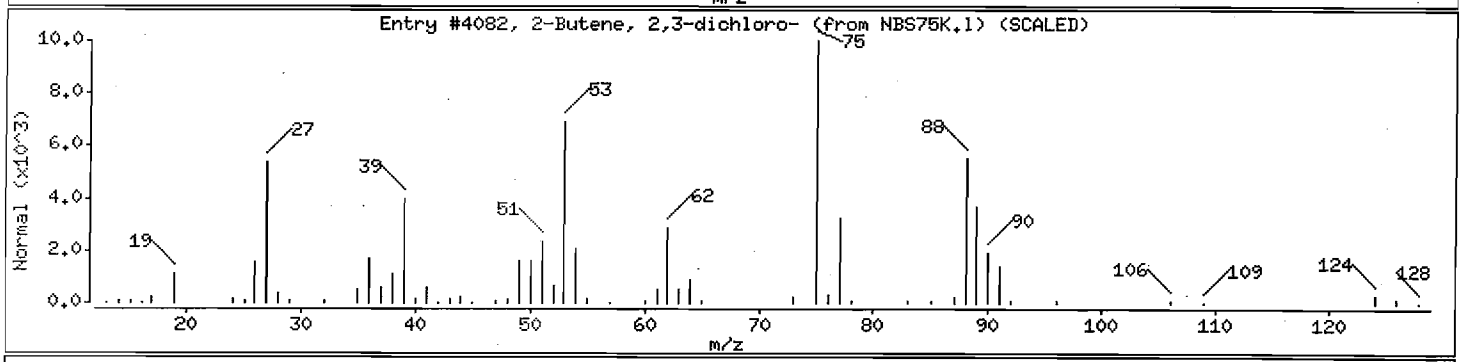
Column phase: DB-624

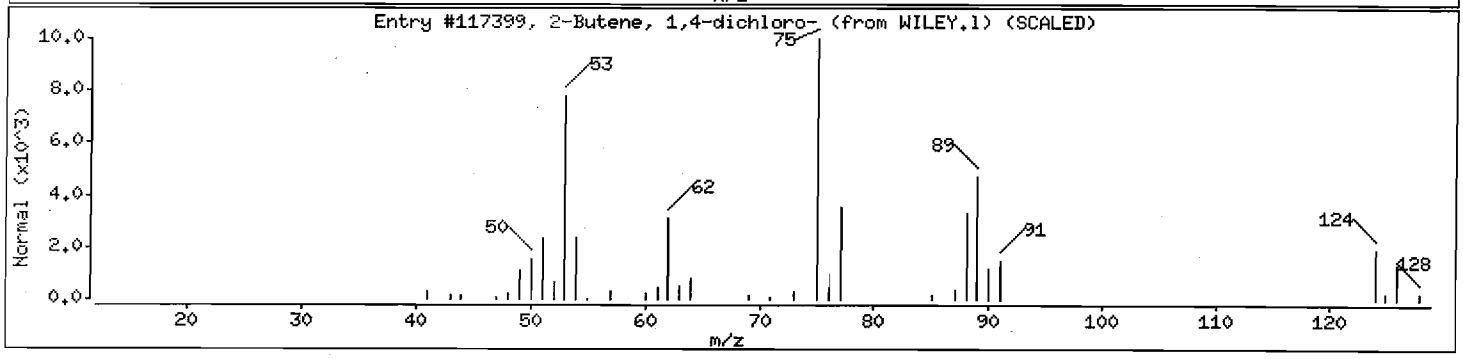
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	94	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	94	C4H6Cl2	124
2-Butene, 1,4-dichloro-	764-41-0	WILEY.l	117399	72	C4H6Cl2	124









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B06.D
Lab Smp Id: 150ppb Client Smp ID: 150ppb
Inj Date : 29-NOV-2010 16:50
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 150ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	423459	150.000	159
2 Chloromethane	50	0.997	1.002	(0.249)	381982	150.000	159
3 Vinyl Chloride	62	1.044	1.049	(0.261)	301706	150.000	154
4 Bromomethane	94	1.180	1.190	(0.295)	168935	150.000	155
139 Methyl Acetate	43	1.760	1.765	(0.440)	173162	150.000	139
5 Chloroethane	64	1.221	1.226	(0.306)	138621	150.000	156
6 Trichlorofluoromethane	101	1.337	1.342	(0.334)	511574	150.000	147
7 Diethyl ether	74	1.457	1.457	(0.364)	91718	150.000	151
8 Acrolein	56	1.520	1.525	(0.380)	371029	3000.00	3140
9 1,1-Dichloroethene	96	1.577	1.577	(0.394)	225198	150.000	152
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.392)	257325	150.000	155
11 Acetone	43	1.593	1.598	(0.398)	181623	750.000	720
12 Iodomethane	142	1.661	1.666	(0.415)	577892	300.000	292
13 Carbon Disulfide	76	1.697	1.702	(0.425)	1432772	300.000	302
142 Acetonitrile	39	1.760	1.760	(0.440)	373265	3000.00	2770
14 allyl chloride	41	1.760	1.760	(0.440)	502278	300.000	274
15 Methylene Chloride	84	1.823	1.828	(0.456)	211222	150.000	149
16 Acrylonitrile	53	1.964	1.964	(0.491)	813654	3000.00	2930
17 tert-Butyl Alcohol	59	1.875	1.875	(0.469)	21882	300.000	280(M)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.495)	263627	150.000	149
19 Methyl-tert-butyl ether	73	1.980	1.980	(0.495)	1028114	300.000	304
20 n-Hexane	57	2.147	2.147	(0.537)	427443	150.000	152
21 1,1-Dichloroethane	63	2.262	2.257	(0.566)	535921	150.000	141

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.571)	907800	600.000	591
	143 Chloroprene	53	2.320	2.320	(0.580)	523195	150.000	149
	24 2,2-Dichloropropane	77	2.712	2.712	(0.678)	332191	150.000	137
	25 1,2-Dichloroethene (cis)	96	2.712	2.712	(0.678)	293317	150.000	152
	26 2-Butanone	43	2.728	2.728	(0.682)	341962	750.000	747
	27 Propionitrile	54	2.791	2.796	(0.698)	21252	150.000	173
	144 Methacrylonitrile	41	2.921	2.926	(0.731)	91273	750.000	742
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	272190	150.000	153
	29 Bromochloromethane	49	2.932	2.937	(0.733)	161826	150.000	145
	30 Tetrahydrofuran	42	2.989	2.989	(0.748)	46818	150.000	70.1
	31 Chloroform	83	3.010	3.010	(0.753)	567978	150.000	149
$	32 Dibromofluoromethane (S)	113	3.178	3.177	(0.795)	104059	50.0000	50.7
	33 1,1,1-Trichloroethane	97	3.199	3.198	(0.800)	557780	150.000	151
	35 Carbon Tetrachloride	117	3.382	3.381	(0.846)	499902	150.000	152
	36 1,1-Dichloropropene	75	3.382	3.381	(0.846)	425947	150.000	149
	37 Isobutyl alcohol	43	3.748	3.742	(0.937)	209573	150.000	153
	140 Cyclohexane	56	3.256	3.256	(0.814)	490228	150.000	150
	38 Benzene	78	3.627	3.627	(0.907)	1029982	150.000	147
	39 1,2-Dichloroethane	62	3.659	3.659	(0.915)	367220	150.000	151
	138 2,2,4-Trimethylpentane	57	3.742	3.747	(0.936)	1144442	150.000	155
	141 Methylcyclohexane	55	4.673	4.678	(1.169)	451595	150.000	153
*	40 Fluorobenzene	96	3.999	3.999	(1.000)	380257	50.0000	
	41 Trichloroethene	95	4.454	4.454	(1.114)	328622	150.000	150
	42 1,2-Dichloropropane	63	4.726	4.726	(1.182)	284723	150.000	149
	43 Dibromomethane	93	4.857	4.862	(1.214)	152442	150.000	150
	44 Methyl methacrylate	69	4.919	4.924	(1.230)	122078	150.000	141
	45 Bromodichloromethane	83	5.060	5.060	(1.265)	419954	150.000	149
	46 2-Chloroethyl vinyl ether	63	5.448	5.453	(0.755)	137561	300.000	295
	145 1,4-Dioxane	88	4.919	4.919	(1.230)	1778	150.000	158
	47 cis-1,3-Dichloropropene	75	5.578	5.583	(0.773)	462694	150.000	149
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	883220	750.000	709
$	49 Toluene-d8	98	5.866	5.866	(0.813)	428985	50.0000	49.8
	50 Toluene	91	5.939	5.939	(0.823)	1306913	150.000	143
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	405763	150.000	138
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	272674	150.000	149
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	187044	150.000	149
	54 Tetrachloroethene	166	6.509	6.509	(0.902)	454050	150.000	153
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	383923	150.000	148
	56 2-Hexanone	43	6.661	6.661	(0.923)	649564	750.000	731
	57 Dibromochloromethane	129	6.745	6.750	(0.935)	324021	150.000	148
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	236742	150.000	152
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	363278	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	995194	150.000	145
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	351858	150.000	149
	62 Ethylbenzene	106	7.336	7.335	(1.017)	540700	150.000	142
	63 m&p-Xylene	106	7.425	7.424	(1.029)	1244465	300.000	276
	65 o-Xylene	106	7.697	7.696	(1.067)	635764	150.000	138
	66 Styrene	104	7.707	7.712	(1.068)	1045599	150.000	144
	67 Bromoform	173	7.822	7.827	(0.897)	190377	150.000	135
	68 Isopropylbenzene	105	7.942	7.947	(1.101)	1835467	150.000	144
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	80982	150.000	152
$	70 4-Bromofluorobenzene	95	8.036	8.036	(1.114)	181515	50.0000	49.8
	71 Bromobenzene	77	8.125	8.125	(1.126)	627326	150.000	144
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	300021	150.000	145

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
73	1,2,3-Trichloropropane	75	8.157	8.162	(0.936)	328723	150.000	144
74	n-Propylbenzene	91	8.204	8.204	(0.941)	2115243	150.000	141
75	2-Chlorotoluene	91	8.246	8.251	(0.946)	1247863	150.000	142
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	422138	150.000	142
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	1461266	150.000	139
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	1687826	150.000	142
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	1555421	150.000	137
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	2125649	150.000	145
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	853739	150.000	144
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	206874	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	1772400	150.000	145
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.002)	855935	150.000	146
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	772671	150.000	145
86	n-Butylbenzene	91	8.920	8.920	(1.023)	1657024	150.000	151
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	49152	150.000	151
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	577967	150.000	150
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	389379	150.000	155
90	Naphthalene	128	9.872	9.872	(1.133)	1116637	150.000	140
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.147)	504779	150.000	141
92	2,methyl-naphthalene	142	10.479	10.484	(1.202)	455604	150.000	149

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B06.D
Lab Smp Id: 150ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 150ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	380257	9.08
59 Chlorobenzene-d5	329556	164778	659112	363278	10.23
82 1,4-Dichlorobenze	197466	98733	394932	206874	4.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	4.00	0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	159	
74-87-3	Chloromethane	159	
75-01-4	Vinyl Chloride	154	
74-83-9	Bromomethane	155	
79-20-9	Methyl Acetate	139	
75-00-3	Chloroethane	156	
75-69-4	Trichlorofluoromethane	147	
60-29-7	Diethyl ether	151	
107-02-8	Acrolein	3140	
75-35-4	1,1-Dichloroethene	152	
76-13-1	1,1,2trichlorotrifluoroethan	155	
67-64-1	Acetone	720	
	Iodomethane	292	
75-15-0	Carbon Disulfide	302	
75-05-8	Acetonitrile	2770	
107-05-1	allyl chloride	274	
75-09-2	Methylene Chloride	149	
107-13-1	Acrylonitrile	2930	
75-65-0	tert-Butyl Alcohol	280	
156-60-5	1,2-Dichloroethene (trans)	149	
1634-04-4	Methyl-tert-butyl ether	304	
	n-Hexane	152	
75-34-3	1,1-Dichloroethane	141	
108-05-4	Vinyl Acetate	591	
126-99-8	Chloroprene	149	
594-20-7	2,2-Dichloropropane	137	
156-59-2	1,2-Dichloroethene (cis)	152	
78-93-3	2-Butanone	747	
107-12-0	Propionitrile	173	
126-98-7	Methacrylonitrile	742	
354-23-4	1,2-dichlorotrifluoroethane	153	
74-97-5	Bromochloromethane	145	
	Tetrahydrofuran	70.1	
67-66-3	Chloroform	149	
71-55-6	1,1,1-Trichloroethane	151	
56-23-5	Carbon Tetrachloride	152	
563-58-6	1,1-Dichloropropene	149	
78-83-1	Isobutyl alcohol	153	
110-82-7	Cyclohexane	150	
71-43-2	Benzene	147	
107-06-2	1,2-Dichloroethane	151	
540-84-1	2,2,4-Trimethylpentane	155	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	153	
79-01-6	Trichloroethene	150	
78-87-5	1,2-Dichloropropane	149	
74-95-3	Dibromomethane	150	
80-62-6	Methyl methacrylate	141	
75-27-4	Bromodichloromethane	149	
110-75-8	2-Chloroethyl vinyl ether	295	
----------	1,4-Dioxane	158	
10061-01-5	cis-1,3-Dichloropropene	149	
108-10-1	4-Methyl-2-Pentanone	709	
108-88-3	Toluene	143	
10061-02-6	trans-1,3-Dichloropropene	138	
----------	Ethyl Methacrylate	149	
79-00-5	1,1,2-Trichloroethane	149	
127-18-4	Tetrachloroethene	153	
142-28-9	1,3-Dichloropropane	148	
591-78-6	2-Hexanone	731	
124-48-1	Dibromochloromethane	148	
106-93-4	1,2-Dibromoethane	152	
108-90-7	Chlorobenzene	145	
630-20-6	1,1,1,2-Tetrachloroethane	149	
100-41-4	Ethylbenzene	142	
7816-60-0	m&p-Xylene	276	
95-47-6	o-Xylene	138	
100-42-5	Styrene	144	
75-25-2	Bromoform	135	
98-82-8	Isopropylbenzene	144	
----------	trans-1,4-Dichloro-2-butene	152	
108-86-1	Bromobenzene	144	
79-34-5	1,1,2,2-Tetrachloroethane	145	
96-18-4	1,2,3-Trichloropropane	144	
103-65-1	n-Propylbenzene	141	
95-49-8	2-Chlorotoluene	142	
106-43-4	4-Chlorotoluene	142	
108-67-8	1,3,5-Trimethylbenzene	139	
98-06-6	tert-Butylbenzene	142	
95-63-6	1,2,4-Trimethylbenzene	137	
135-98-8	sec-Butylbenzene	145	
541-73-1	1,3-Dichlorobenzene	144	
99-87-6	p-Isopropyltoluene	145	
106-46-7	1,4-Dichlorobenzene	146	
95-50-1	1,2-Dichlorobenzene	145	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

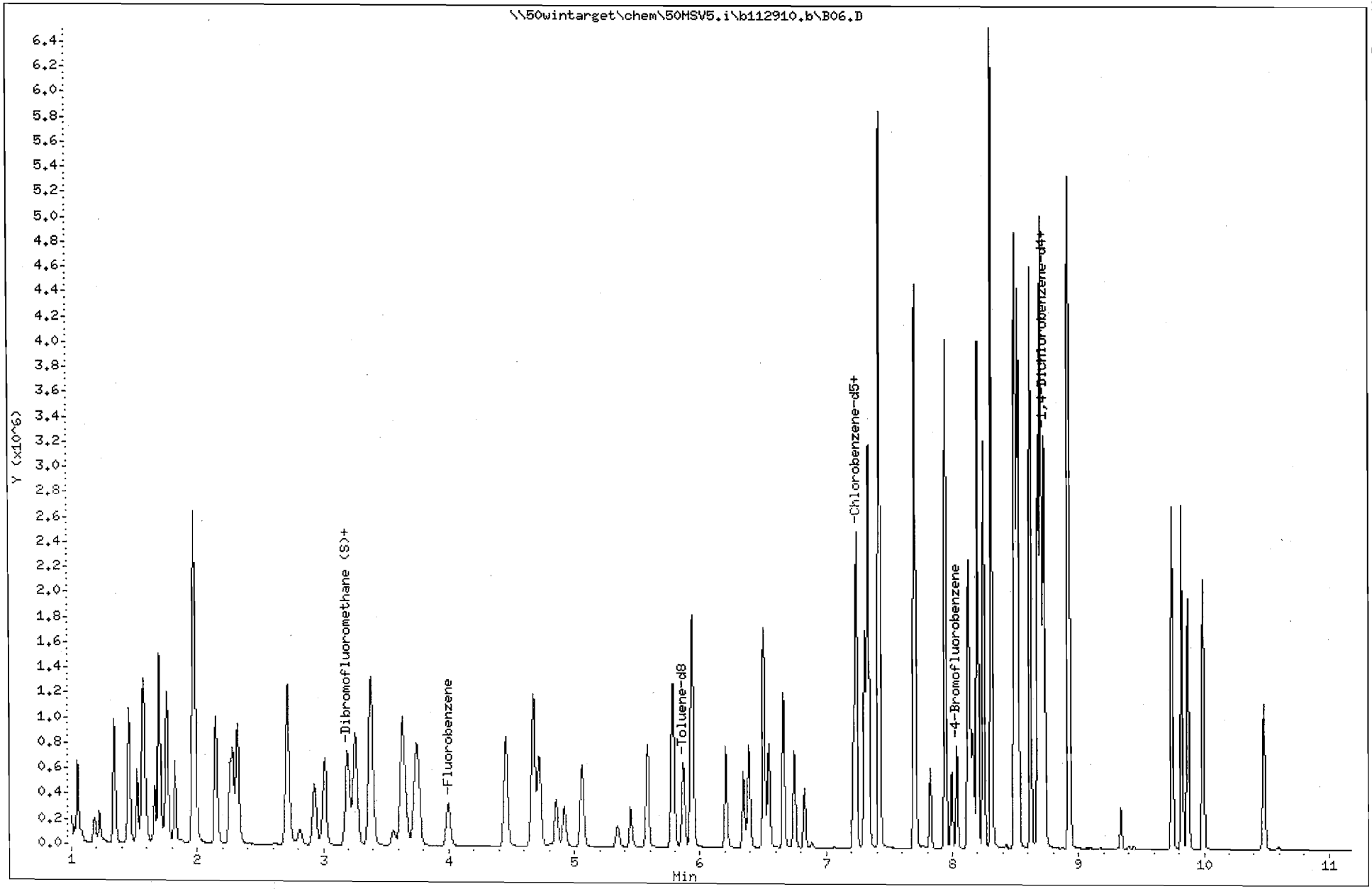
Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	151	
96-12-8	1,2-Dibromo-3-chloropropane	151	
120-82-1	1,2,4-Trichlorobenzene	150	
87-68-3	Hexachlorobutadiene	155	
91-20-3	Naphthalene	140	
87-61-6	1,2,3-Trichlorobenzene	141	
----------	2,methyl-naphthalene	149	
1868-53-7	Dibromofluoromethane (S)	50.7	
2037-26-5	Toluene-d8	49.8	
460-00-4	4-Bromofluorobenzene	49.8	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B06.D
Date : 29-NOV-2010 16:50
Client ID: 150ppb
Sample Info: 150ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B06.D

Date : 29-NOV-2010 16:50

Client ID: 150ppb

Instrument: 50MSV5.i

Sample Info: 150ppb

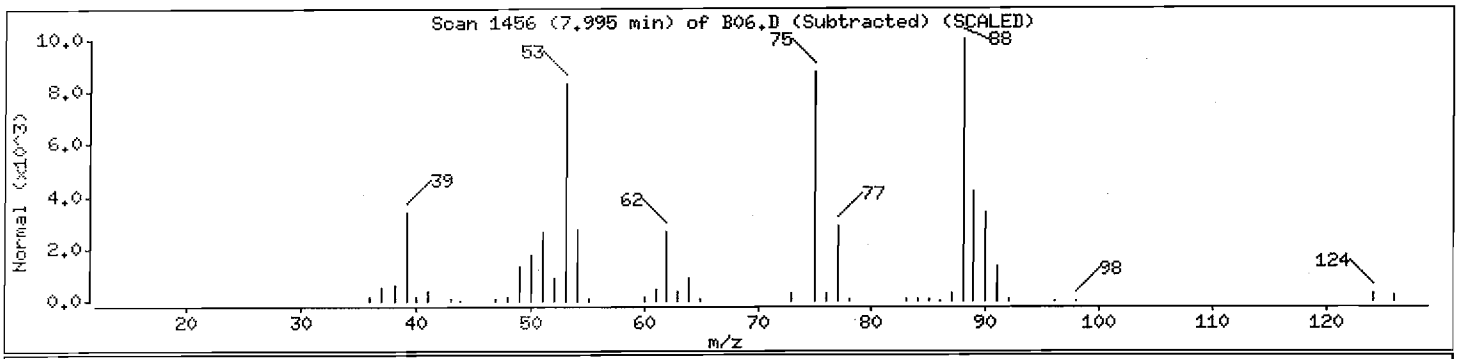
Purge Volume: 5.0

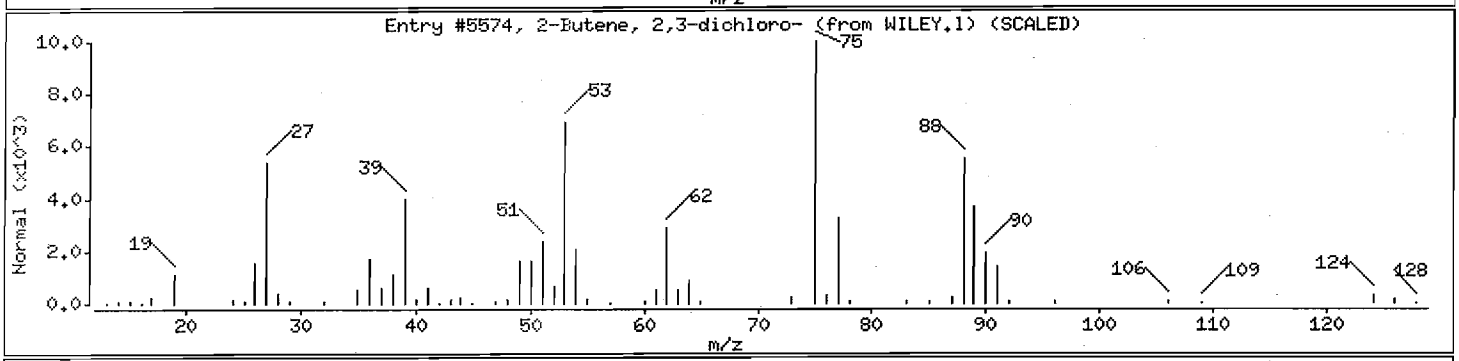
Operator: rsw

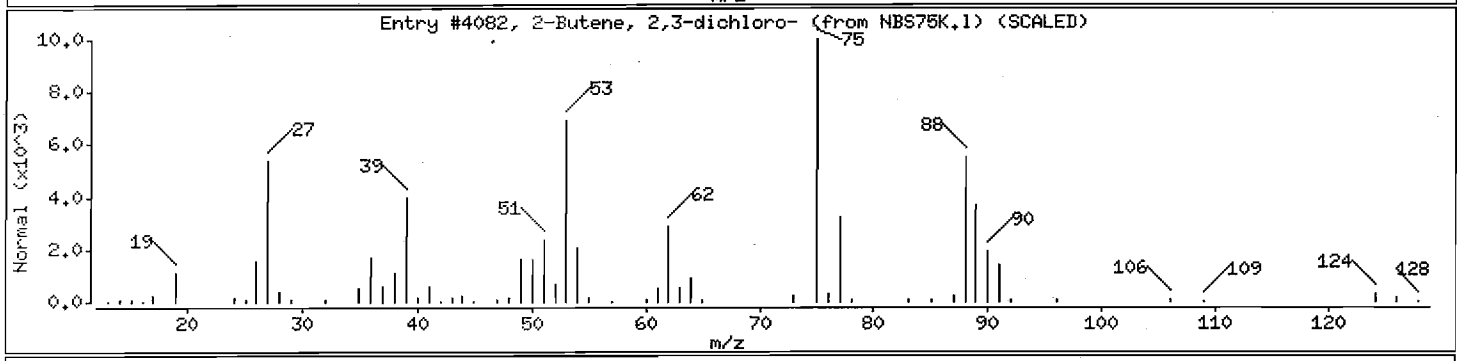
Column phase: DB-624

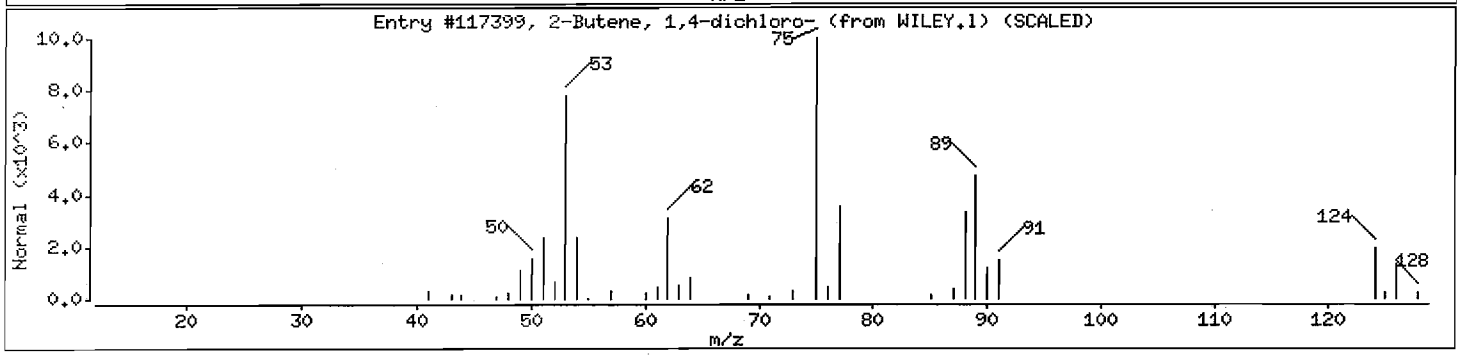
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	94	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	94	C4H6Cl2	124
2-Butene, 1,4-dichloro-	764-41-0	WILEY.l	117399	72	C4H6Cl2	124









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B07.D
Lab Smp Id: 200ppb Client Smp ID: 200ppb
Inj Date : 29-NOV-2010 17:27
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 200ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 16 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	505018	200.000	205
2 Chloromethane	50	0.997	1.002	(0.249)	517125	200.000	231
3 Vinyl Chloride	62	1.044	1.049	(0.261)	368934	200.000	202
4 Bromomethane	94	1.174	1.190	(0.294)	197174	200.000	193
139 Methyl Acetate	43	1.760	1.765	(0.440)	257617	200.000	221
5 Chloroethane	64	1.221	1.226	(0.306)	160737	200.000	194
6 Trichlorofluoromethane	101	1.336	1.342	(0.334)	617894	200.000	190
7 Diethyl ether	74	1.457	1.457	(0.364)	136546	200.000	241
8 Acrolein	56	1.520	1.525	(0.380)	447159	4000.00	4060
9 1,1-Dichloroethene	96	1.577	1.577	(0.394)	346662	200.000	251
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.392)	392628	200.000	253
11 Acetone	43	1.593	1.598	(0.398)	266801	1000.00	1130
12 Iodomethane	142	1.661	1.666	(0.415)	835383	400.000	449
13 Carbon Disulfide	76	1.697	1.702	(0.425)	2190943	400.000	492
142 Acetonitrile	39	1.755	1.760	(0.439)	526398	4000.00	4140
14 allyl chloride	41	1.755	1.760	(0.439)	722173	400.000	417
15 Methylene Chloride	84	1.823	1.828	(0.456)	322152	200.000	245
16 Acrylonitrile	53	1.964	1.964	(0.491)	1216245	4000.00	4680
17 tert-Butyl Alcohol	59	1.875	1.875	(0.469)	30448	400.000	405(M)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.495)	402424	200.000	244
19 Methyl-tert-butyl ether	73	1.980	1.980	(0.495)	1449170	400.000	457
20 n-Hexane	57	2.147	2.147	(0.537)	645783	200.000	246
21 1,1-Dichloroethane	63	2.262	2.257	(0.566)	809885	200.000	227

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	23	Vinyl Acetate	43	2.283	2.283	(0.571)	1381389	800.000	961
	143	Chloroprene	53	2.320	2.320	(0.580)	788865	200.000	240
	24	2,2-Dichloropropane	77	2.712	2.712	(0.678)	497786	200.000	212
	25	1,2-Dichloroethene (cis)	96	2.712	2.712	(0.678)	446941	200.000	247
	26	2-Butanone	43	2.728	2.728	(0.682)	498508	1000.00	1160
	27	Propionitrile	54	2.785	2.796	(0.697)	32800	200.000	285
	144	Methacrylonitrile	41	2.921	2.926	(0.731)	139724	1000.00	1210
	28	1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	410060	200.000	246
	29	Bromochloromethane	49	2.932	2.937	(0.733)	237883	200.000	227
	30	Tetrahydrofuran	42	2.984	2.989	(0.746)	67861	200.000	108
	31	Chloroform	83	3.010	3.010	(0.753)	864033	200.000	243
$	32	Dibromofluoromethane (S)	113	3.178	3.177	(0.795)	94045	50.0000	48.9
	33	1,1,1-Trichloroethane	97	3.198	3.198	(0.800)	849136	200.000	246
	35	Carbon Tetrachloride	117	3.382	3.381	(0.846)	752216	200.000	244
	36	1,1-Dichloropropene	75	3.382	3.381	(0.846)	647066	200.000	242
	37	Isobutyl alcohol	43	3.742	3.742	(0.936)	320261	200.000	249
	140	Cyclohexane	56	3.256	3.256	(0.814)	757940	200.000	248
	38	Benzene	78	3.627	3.627	(0.907)	1585920	200.000	242
	39	1,2-Dichloroethane	62	3.659	3.659	(0.915)	560736	200.000	246
	138	2,2,4-Trimethylpentane	57	3.742	3.747	(0.936)	1754004	200.000	254
	141	Methylcyclohexane	55	4.673	4.678	(1.169)	683390	200.000	247
*	40	Fluorobenzene	96	3.999	3.999	(1.000)	355944	50.0000	
	41	Trichloroethene	95	4.454	4.454	(1.114)	502332	200.000	244
	42	1,2-Dichloropropane	63	4.726	4.726	(1.182)	431858	200.000	242
	43	Dibromomethane	93	4.856	4.862	(1.214)	223803	200.000	235
	44	Methyl methacrylate	69	4.919	4.924	(1.230)	184460	200.000	226
	45	Bromodichloromethane	83	5.060	5.060	(1.265)	644876	200.000	244
	46	2-Chloroethyl vinyl ether	63	5.447	5.453	(0.755)	164713	400.000	387
	145	1,4-Dioxane	88	4.909	4.919	(1.228)	2738	200.000	259
	47	cis-1,3-Dichloropropene	75	5.583	5.583	(0.774)	701510	200.000	246
	48	4-Methyl-2-Pentanone	43	5.787	5.787	(0.802)	1305604	1000.00	1140
$	49	Toluene-d8	98	5.866	5.866	(0.813)	388361	50.0000	49.1
	50	Toluene	91	5.939	5.939	(0.823)	1975689	200.000	235
	51	trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	617453	200.000	226
	52	Ethyl Methacrylate	69	6.347	6.347	(0.880)	412955	200.000	246
	53	1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	280507	200.000	243
	54	Tetrachloroethene	166	6.509	6.509	(0.902)	677020	200.000	249
	55	1,3-Dichloropropane	76	6.546	6.551	(0.907)	581413	200.000	244
	56	2-Hexanone	43	6.661	6.661	(0.923)	953025	1000.00	1170
	57	Dibromochloromethane	129	6.750	6.750	(0.935)	491110	200.000	244
	58	1,2-Dibromoethane	107	6.828	6.828	(0.946)	355106	200.000	248
*	59	Chlorobenzene-d5	117	7.215	7.215	(1.000)	333238	50.0000	
	60	Chlorobenzene	112	7.236	7.241	(1.003)	1487870	200.000	236
	61	1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	541327	200.000	250
	62	Ethylbenzene	106	7.336	7.335	(1.017)	824058	200.000	236
	63	m&p-Xylene	106	7.424	7.424	(1.029)	1827551	400.000	441
	65	o-Xylene	106	7.696	7.696	(1.067)	941391	200.000	222
	66	Styrene	104	7.712	7.712	(1.069)	1541432	200.000	231
	67	Bromoform	173	7.822	7.827	(0.897)	284644	200.000	220
	68	Isopropylbenzene	105	7.948	7.947	(1.101)	2703113	200.000	231
	69	trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	122122	200.000	248
$	70	4-Bromofluorobenzene	95	8.036	8.036	(1.114)	166833	50.0000	49.9
	71	Bromobenzene	77	8.125	8.125	(1.126)	929106	200.000	233
	72	1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	447628	200.000	239

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
73	1,2,3-Trichloropropane	75	8.162	8.162	(0.936)	496235	200.000	241	
74	n-Propylbenzene	91	8.204	8.204	(0.941)	3076400	200.000	228	
75	2-Chlorotoluene	91	8.251	8.251	(0.947)	1826948	200.000	231	
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	611834	200.000	228	
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	2158073	200.000	228	
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	2506587	200.000	234	
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	2312106	200.000	225	
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	3109571	200.000	236	
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	1252078	200.000	234	
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	186675	50.0000	(Q)	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	2622701	200.000	237	
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.002)	1263700	200.000	238	
85	1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	1119841	200.000	233	
86	n-Butylbenzene	91	8.920	8.920	(1.023)	2434038	200.000	246	
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	75993	200.000	256	
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	847396	200.000	242	
89	Hexachlorobutadiene	225	9.820	9.825	(1.127)	560027	200.000	248	
90	Naphthalene	128	9.872	9.872	(1.133)	1640257	200.000	225	
91	1,2,3-Trichlorobenzene	180	9.993	9.998	(1.146)	737997	200.000	226	
92	2,methyl-naphthalene	142	10.479	10.484	(1.202)	738858	200.000	267	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B07.D
Lab Smp Id: 200ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 200ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	355944	2.11
59 Chlorobenzene-d5	329556	164778	659112	333238	1.12
82 1,4-Dichlorobenze	197466	98733	394932	186675	-5.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	4.00	0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	-0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	205	
74-87-3	Chloromethane	231	
75-01-4	Vinyl Chloride	202	
74-83-9	Bromomethane	193	
79-20-9	Methyl Acetate	221	
75-00-3	Chloroethane	194	
75-69-4	Trichlorofluoromethane	190	
60-29-7	Diethyl ether	241	
107-02-8	Acrolein	4060	
75-35-4	1,1-Dichloroethene	251	
76-13-1	1,1,2trichlorotrifluoroethan	253	
67-64-1	Acetone	1130	
----------	Iodomethane	449	
75-15-0	Carbon Disulfide	492	
75-05-8	Acetonitrile	4140	
107-05-1	allyl chloride	417	
75-09-2	Methylene Chloride	245	
107-13-1	Acrylonitrile	4680	
75-65-0	tert-Butyl Alcohol	405	
156-60-5	1,2-Dichloroethene (trans)	244	
1634-04-4	Methyl-tert-butyl ether	457	
----------	n-Hexane	246	
75-34-3	1,1-Dichloroethane	227	
108-05-4	Vinyl Acetate	961	
126-99-8	Chloroprene	240	
594-20-7	2,2-Dichloropropane	212	
156-59-2	1,2-Dichloroethene (cis)	247	
78-93-3	2-Butanone	1160	
107-12-0	Propionitrile	285	
126-98-7	Methacrylonitrile	1210	
354-23-4	1,2-dichlorotrifluoroethane	246	
74-97-5	Bromochloromethane	227	
----------	Tetrahydrofuran	108	
67-66-3	Chloroform	243	
71-55-6	1,1,1-Trichloroethane	246	
56-23-5	Carbon Tetrachloride	244	
563-58-6	1,1-Dichloropropene	242	
78-83-1	Isobutyl alcohol	249	
110-82-7	Cyclohexane	248	
71-43-2	Benzene	242	
107-06-2	1,2-Dichloroethane	246	
540-84-1	2,2,4-Trimethylpentane	254	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	247	
79-01-6	Trichloroethene	244	
78-87-5	1,2-Dichloropropane	242	
74-95-3	Dibromomethane	235	
80-62-6	Methyl methacrylate	226	
75-27-4	Bromodichloromethane	244	
110-75-8	2-Chloroethyl vinyl ether	387	
----------	1,4-Dioxane	259	
10061-01-5	cis-1,3-Dichloropropene	246	
108-10-1	4-Methyl-2-Pentanone	1140	
108-88-3	Toluene	235	
10061-02-6	trans-1,3-Dichloropropene	226	
----------	Ethyl Methacrylate	246	
79-00-5	1,1,2-Trichloroethane	243	
127-18-4	Tetrachloroethene	249	
142-28-9	1,3-Dichloropropane	244	
591-78-6	2-Hexanone	1170	
124-48-1	Dibromochloromethane	244	
106-93-4	1,2-Dibromoethane	248	
108-90-7	Chlorobenzene	236	
630-20-6	1,1,1,2-Tetrachloroethane	250	
100-41-4	Ethylbenzene	236	
7816-60-0	m&p-Xylene	441	
95-47-6	o-Xylene	222	
100-42-5	Styrene	231	
75-25-2	Bromoform	220	
98-82-8	Isopropylbenzene	231	
----------	trans-1,4-Dichloro-2-butene	248	
108-86-1	Bromobenzene	233	
79-34-5	1,1,2,2-Tetrachloroethane	239	
96-18-4	1,2,3-Trichloropropane	241	
103-65-1	n-Propylbenzene	228	
95-49-8	2-Chlorotoluene	231	
106-43-4	4-Chlorotoluene	228	
108-67-8	1,3,5-Trimethylbenzene	228	
98-06-6	tert-Butylbenzene	234	
95-63-6	1,2,4-Trimethylbenzene	225	
135-98-8	sec-Butylbenzene	236	
541-73-1	1,3-Dichlorobenzene	234	
99-87-6	p-Isopropyltoluene	237	
106-46-7	1,4-Dichlorobenzene	238	
95-50-1	1,2-Dichlorobenzene	233	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

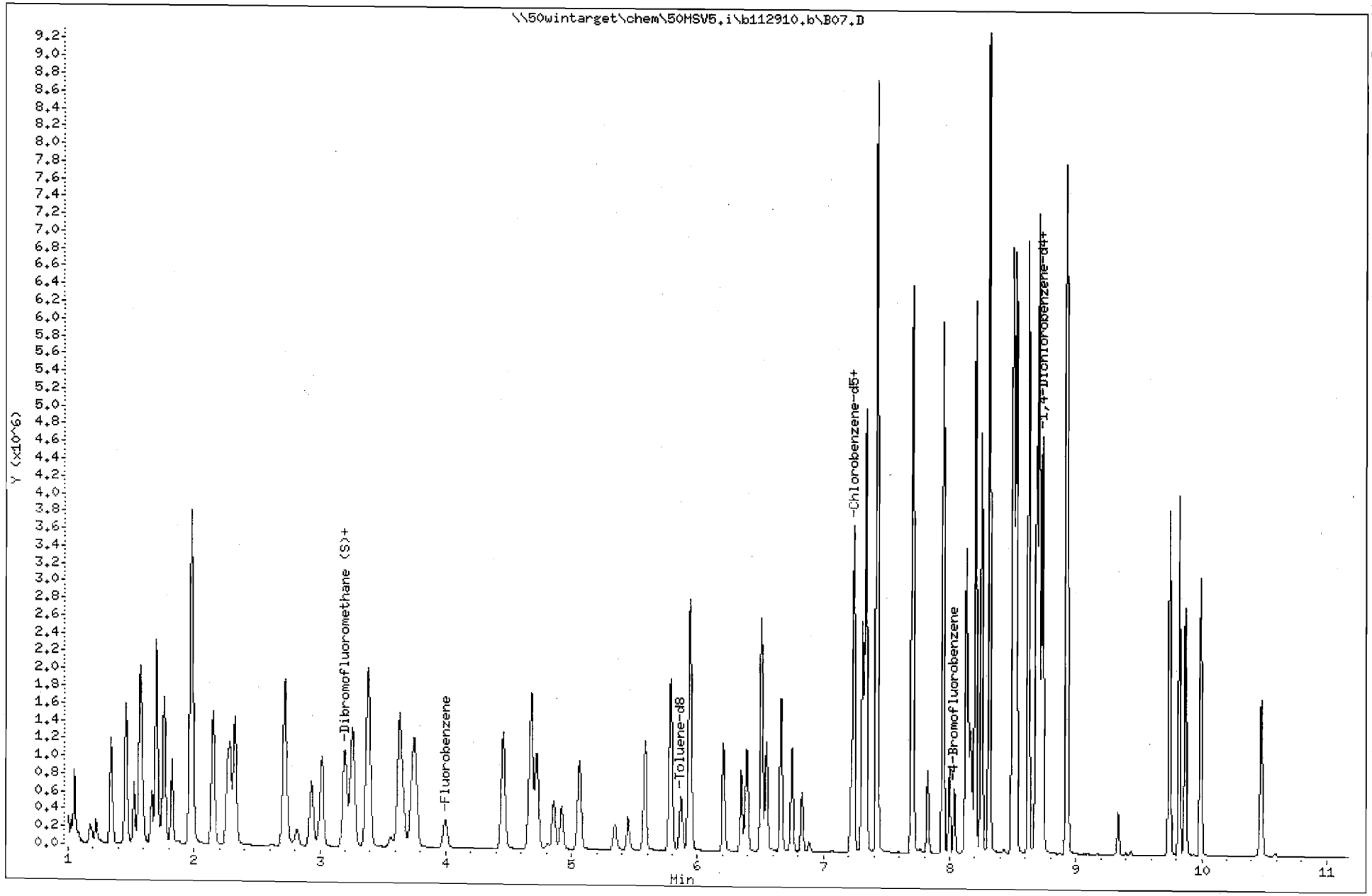
Client SDG: b112910.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	246	
96-12-8	1,2-Dibromo-3-chloropropane	256	
120-82-1	1,2,4-Trichlorobenzene	242	
87-68-3	Hexachlorobutadiene	248	
91-20-3	Naphthalene	225	
87-61-6	1,2,3-Trichlorobenzene	226	
----------	2,methyl-naphthalene	267	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	49.1	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B07.D
Date : 29-NOV-2010 17:27
Client ID: 200ppb
Sample Info: 200ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B07.D

Date : 29-NOV-2010 17:27

Client ID: 200ppb

Instrument: 50MSV5.i

Sample Info: 200ppb

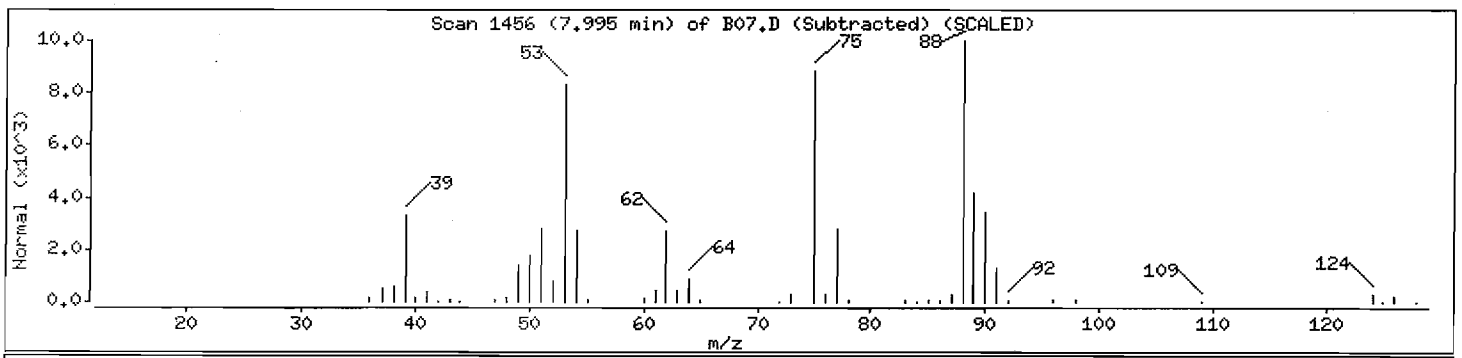
Purge Volume: 5.0

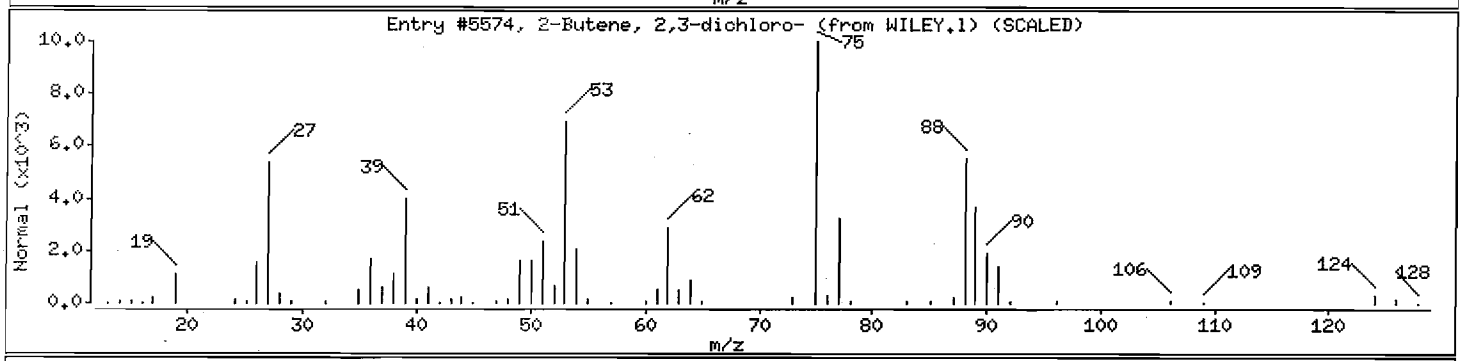
Operator: rsw

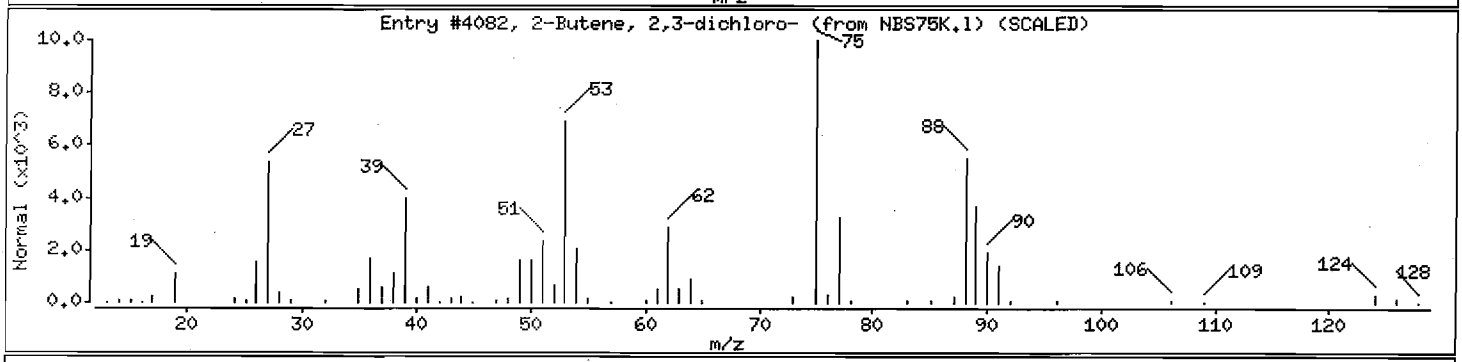
Column phase: DB-624

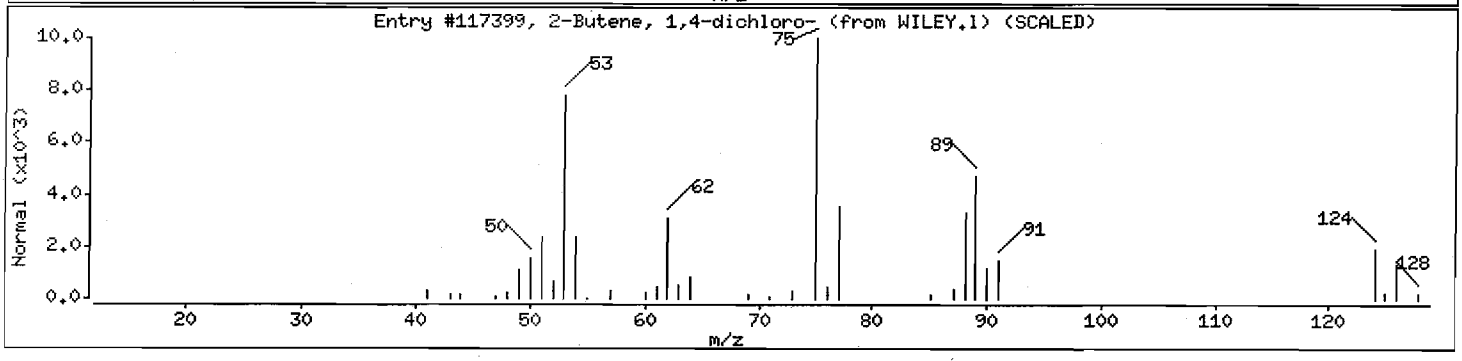
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	94	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	94	C4H6Cl2	124
2-Butene, 1,4-dichloro-	764-41-0	WILEY.l	117399	72	C4H6Cl2	124









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B08.D
Lab Smp Id: 300ppb Client Smp ID: 300ppb
Inj Date : 29-NOV-2010 18:04
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 300ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 24-NOV-2010 21:48 Cal File: B13cal8.D
Als bottle: 18 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	810123	300.000	289
2 Chloromethane	50	0.996	1.002	(0.249)	809821	300.000	316
3 Vinyl Chloride	62	1.043	1.049	(0.261)	620909	300.000	297
4 Bromomethane	94	1.169	1.190	(0.292)	227763	300.000	195
139 Methyl Acetate	43	1.765	1.765	(0.442)	376858	300.000	282
5 Chloroethane	64	1.216	1.226	(0.304)	225075	300.000	238
6 Trichlorofluoromethane	101	1.331	1.342	(0.333)	994196	300.000	267
7 Diethyl ether	74	1.457	1.457	(0.364)	201669	300.000	311
8 Acrolein	56	1.525	1.525	(0.381)	737108	6000.00	5880
9 1,1-Dichloroethene	96	1.577	1.577	(0.394)	479209	300.000	303
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.392)	545277	300.000	307
11 Acetone	43	1.598	1.598	(0.400)	378568	1500.00	1410
12 Iodomethane	142	1.661	1.666	(0.415)	1211656	600.000	568
13 Carbon Disulfide	76	1.697	1.702	(0.425)	3043516	600.000	598
142 Acetonitrile	39	1.755	1.760	(0.439)	722927	6000.00	4960
14 allyl chloride	41	1.755	1.760	(0.439)	1005321	600.000	506
15 Methylene Chloride	84	1.823	1.828	(0.456)	459555	300.000	306
16 Acrylonitrile	53	1.969	1.964	(0.493)	1683122	6000.00	5660
17 tert-Butyl Alcohol	59	1.886	1.875	(0.472)	53717	600.000	612(M)
18 1,2-Dichloroethene (trans)	96	1.985	1.980	(0.496)	561195	300.000	297
19 Methyl-tert-butyl ether	73	1.985	1.980	(0.496)	2074441	600.000	572
20 n-Hexane	57	2.147	2.147	(0.537)	896811	300.000	299
21 1,1-Dichloroethane	63	2.262	2.257	(0.566)	1156332	300.000	283

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 Vinyl Acetate	43	2.288	2.283	(0.572)	1938813	1200.00	1180
	143 Chloroprene	53	2.325	2.320	(0.581)	1097302	300.000	292
	24 2,2-Dichloropropane	77	2.717	2.712	(0.680)	816531	300.000	300
	25 1,2-Dichloroethene (cis)	96	2.717	2.712	(0.680)	622147	300.000	301
	26 2-Butanone	43	2.738	2.728	(0.685)	700860	1500.00	1430
	27 Propionitrile	54	2.796	2.796	(0.699)	47357	300.000	360
	144 Methacrylonitrile	41	2.932	2.926	(0.733)	200302	1500.00	1520
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	582765	300.000	306
	29 Bromochloromethane	49	2.937	2.937	(0.735)	334852	300.000	280
	30 Tetrahydrofuran	42	2.994	2.989	(0.749)	96408	300.000	135
	31 Chloroform	83	3.015	3.010	(0.754)	1231082	300.000	302
$	32 Dibromofluoromethane (S)	113	3.183	3.177	(0.796)	107157	50.0000	48.8
	33 1,1,1-Trichloroethane	97	3.204	3.198	(0.801)	1201990	300.000	305
	35 Carbon Tetrachloride	117	3.381	3.381	(0.846)	1050436	300.000	298
	36 1,1-Dichloropropene	75	3.387	3.381	(0.847)	912716	300.000	298
	37 Isobutyl alcohol	43	3.753	3.742	(0.939)	446550	300.000	304
	140 Cyclohexane	56	3.256	3.256	(0.814)	1062342	300.000	304
	38 Benzene	78	3.632	3.627	(0.908)	2232666	300.000	298
	39 1,2-Dichloroethane	62	3.664	3.659	(0.916)	789178	300.000	303
	138 2,2,4-Trimethylpentane	57	3.748	3.747	(0.937)	2454199	300.000	312
	141 Methylcyclohexane	55	4.679	4.678	(1.170)	970643	300.000	307
*	40 Fluorobenzene	96	3.999	3.999	(1.000)	406880	50.0000	
	41 Trichloroethene	95	4.459	4.454	(1.115)	718735	300.000	306
	42 1,2-Dichloropropane	63	4.726	4.726	(1.182)	619907	300.000	303
	43 Dibromomethane	93	4.862	4.862	(1.216)	312294	300.000	287
	44 Methyl methacrylate	69	4.924	4.924	(1.231)	267602	300.000	286
	45 Bromodichloromethane	83	5.066	5.060	(1.267)	904712	300.000	299
	46 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.755)	222990	600.000	472
	145 1,4-Dioxane	88	4.919	4.919	(1.230)	4147	300.000	343
	47 cis-1,3-Dichloropropene	75	5.583	5.583	(0.773)	982060	300.000	310
	48 4-Methyl-2-Pentanone	43	5.793	5.787	(0.802)	1871785	1500.00	1470
$	49 Toluene-d8	98	5.871	5.866	(0.813)	446091	50.0000	50.6
	50 Toluene	91	5.944	5.939	(0.823)	2754608	300.000	294
	51 trans-1,3-Dichloropropene	75	6.211	6.211	(0.860)	878151	300.000	287
	52 Ethyl Methacrylate	69	6.352	6.347	(0.880)	572933	300.000	306
	53 1,1,2-Trichloroethane	83	6.394	6.394	(0.886)	397441	300.000	309
	54 Tetrachloroethene	166	6.509	6.509	(0.901)	918624	300.000	303
	55 1,3-Dichloropropane	76	6.551	6.551	(0.907)	805779	300.000	304
	56 2-Hexanone	43	6.666	6.661	(0.923)	1324500	1500.00	1460
	57 Dibromochloromethane	129	6.750	6.750	(0.935)	709674	300.000	316
	58 1,2-Dibromoethane	107	6.833	6.828	(0.946)	500634	300.000	314
*	59 Chlorobenzene-d5	117	7.220	7.215	(1.000)	371339	50.0000	
	60 Chlorobenzene	112	7.241	7.241	(1.003)	2052701	300.000	293
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.012)	758890	300.000	315
	62 Ethylbenzene	106	7.335	7.335	(1.016)	1124528	300.000	288
	63 m&p-Xylene	106	7.430	7.424	(1.029)	2442358	600.000	529
	65 o-Xylene	106	7.702	7.696	(1.067)	1275606	300.000	270
	66 Styrene	104	7.712	7.712	(1.068)	2089778	300.000	281
	67 Bromoform	173	7.827	7.827	(0.897)	411048	300.000	295
	68 Isopropylbenzene	105	7.947	7.947	(1.101)	3707438	300.000	285
	69 trans-1,4-Dichloro-2-butene	53	8.178	8.172	(1.133)	171735	300.000	312
$	70 4-Bromofluorobenzene	95	8.042	8.036	(1.114)	187328	50.0000	50.2
	71 Bromobenzene	77	8.125	8.125	(1.125)	1288690	300.000	290
	72 1,1,2,2-Tetrachloroethane	83	8.146	8.141	(0.934)	633094	300.000	316

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
73	1,2,3-Trichloropropane	75	8.162	8.162	(0.936)	703002	300.000	319
74	n-Propylbenzene	91	8.204	8.204	(0.941)	4261621	300.000	294
75	2-Chlorotoluene	91	8.251	8.251	(0.946)	2534255	300.000	299
76	4-Chlorotoluene	126	8.319	8.313	(0.954)	826639	300.000	287
77	1,3,5-Trimethylbenzene	105	8.314	8.308	(0.953)	2879465	300.000	284
78	tert-Butylbenzene	119	8.502	8.497	(0.975)	3401723	300.000	296
79	1,2,4-Trimethylbenzene	105	8.528	8.523	(0.978)	3068087	300.000	279
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	4176656	300.000	295
81	1,3-Dichlorobenzene	146	8.685	8.680	(0.996)	1683033	300.000	294
* 82	1,4-Dichlorobenzene-d4	152	8.721	8.716	(1.000)	200180	50.0000	
83	p-Isopropyltoluene	119	8.706	8.701	(0.998)	3498704	300.000	295
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.001)	1701905	300.000	299
85	1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	1475327	300.000	286
86	n-Butylbenzene	91	8.920	8.920	(1.023)	3177512	300.000	300
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	105799	300.000	332
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	1126868	300.000	300
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	755180	300.000	311
90	Naphthalene	128	9.872	9.872	(1.132)	2266696	300.000	288
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.146)	1003506	300.000	286
92	2,methyl-naphthalene	142	10.479	10.484	(1.201)	1141075	300.000	385

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B08.D
Lab Smp Id: 300ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 300ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	406880	16.72
59 Chlorobenzene-d5	329556	164778	659112	371339	12.68
82 1,4-Dichlorobenze	197466	98733	394932	200180	1.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	4.00	0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.07
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	289	
74-87-3	Chloromethane	316	
75-01-4	Vinyl Chloride	297	
74-83-9	Bromomethane	195	
79-20-9	Methyl Acetate	282	
75-00-3	Chloroethane	238	
75-69-4	Trichlorofluoromethane	267	
60-29-7	Diethyl ether	311	
107-02-8	Acrolein	5880	
75-35-4	1,1-Dichloroethene	303	
76-13-1	1,1,2trichlorotrifluoroethan	307	
67-64-1	Acetone	1410	
----------	Iodomethane	568	
75-15-0	Carbon Disulfide	598	
75-05-8	Acetonitrile	4960	
107-05-1	allyl chloride	506	
75-09-2	Methylene Chloride	306	
107-13-1	Acrylonitrile	5660	
75-65-0	tert-Butyl Alcohol	612	
156-60-5	1,2-Dichloroethene (trans)	297	
1634-04-4	Methyl-tert-butyl ether	572	
----------	n-Hexane	299	
75-34-3	1,1-Dichloroethane	283	
108-05-4	Vinyl Acetate	1180	
126-99-8	Chloroprene	292	
594-20-7	2,2-Dichloropropane	300	
156-59-2	1,2-Dichloroethene (cis)	301	
78-93-3	2-Butanone	1430	
107-12-0	Propionitrile	360	
126-98-7	Methacrylonitrile	1520	
354-23-4	1,2-dichlorotrifluoroethane	306	
74-97-5	Bromochloromethane	280	
----------	Tetrahydrofuran	135	
67-66-3	Chloroform	302	
71-55-6	1,1,1-Trichloroethane	305	
56-23-5	Carbon Tetrachloride	298	
563-58-6	1,1-Dichloropropene	298	
78-83-1	Isobutyl alcohol	304	
110-82-7	Cyclohexane	304	
71-43-2	Benzene	298	
107-06-2	1,2-Dichloroethane	303	
540-84-1	2,2,4-Trimethylpentane	312	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	307	
79-01-6	Trichloroethene	306	
78-87-5	1,2-Dichloropropane	303	
74-95-3	Dibromomethane	287	
80-62-6	Methyl methacrylate	286	
75-27-4	Bromodichloromethane	299	
110-75-8	2-Chloroethyl vinyl ether	472	
----------	1,4-Dioxane	343	
10061-01-5	cis-1,3-Dichloropropene	310	
108-10-1	4-Methyl-2-Pentanone	1470	
108-88-3	Toluene	294	
10061-02-6	trans-1,3-Dichloropropene	287	
----------	Ethyl Methacrylate	306	
79-00-5	1,1,2-Trichloroethane	309	
127-18-4	Tetrachloroethene	303	
142-28-9	1,3-Dichloropropane	304	
591-78-6	2-Hexanone	1460	
124-48-1	Dibromochloromethane	316	
106-93-4	1,2-Dibromoethane	314	
108-90-7	Chlorobenzene	293	
630-20-6	1,1,1,2-Tetrachloroethane	315	
100-41-4	Ethylbenzene	288	
7816-60-0	m&p-Xylene	529	
95-47-6	o-Xylene	270	
100-42-5	Styrene	281	
75-25-2	Bromoform	295	
98-82-8	Isopropylbenzene	285	
----------	trans-1,4-Dichloro-2-butene	312	
108-86-1	Bromobenzene	290	
79-34-5	1,1,2,2-Tetrachloroethane	316	
96-18-4	1,2,3-Trichloropropane	319	
103-65-1	n-Propylbenzene	294	
95-49-8	2-Chlorotoluene	299	
106-43-4	4-Chlorotoluene	287	
108-67-8	1,3,5-Trimethylbenzene	284	
98-06-6	tert-Butylbenzene	296	
95-63-6	1,2,4-Trimethylbenzene	279	
135-98-8	sec-Butylbenzene	295	
541-73-1	1,3-Dichlorobenzene	294	
99-87-6	p-Isopropyltoluene	295	
106-46-7	1,4-Dichlorobenzene	299	
95-50-1	1,2-Dichlorobenzene	286	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

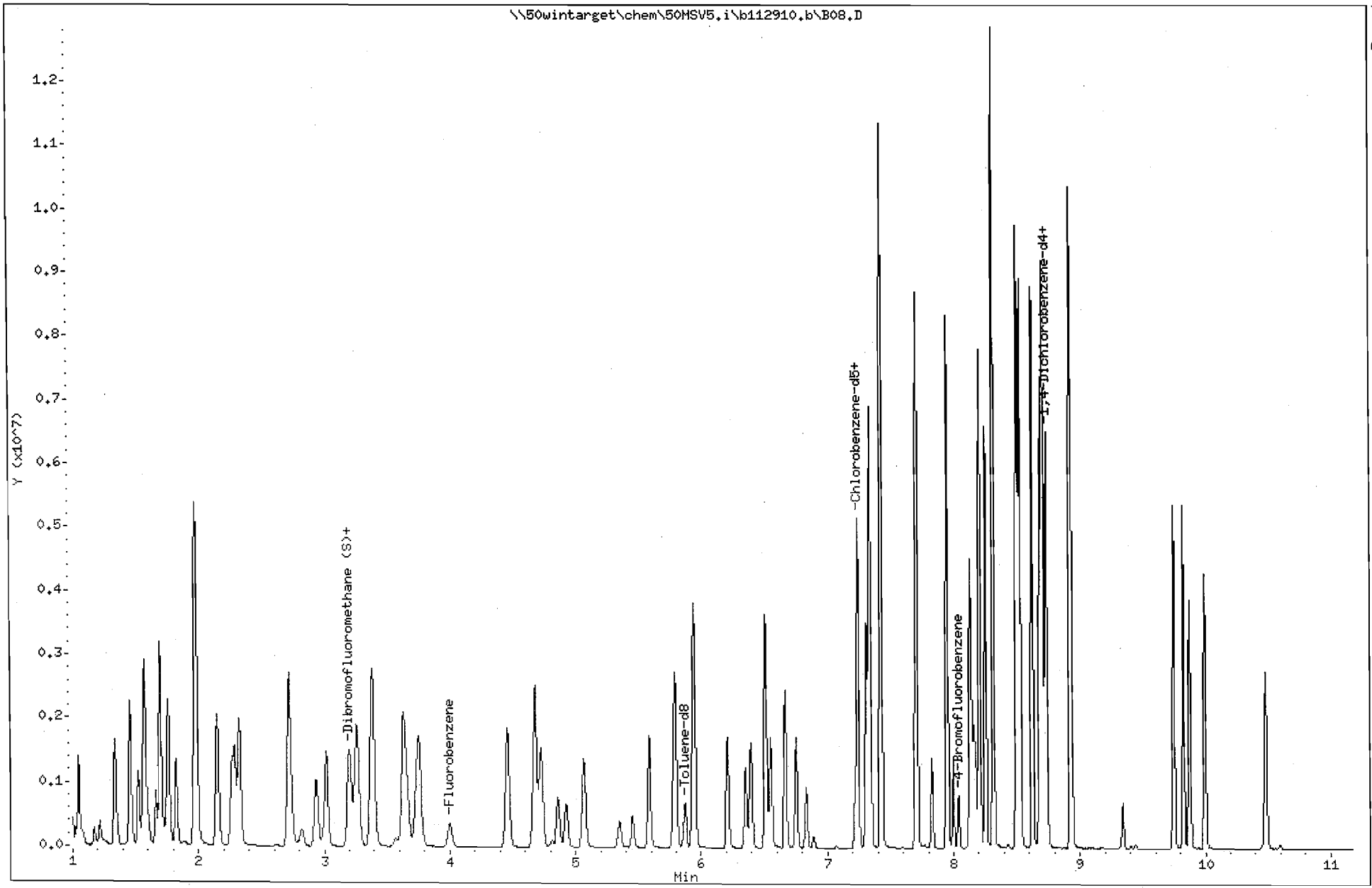
Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	300	
96-12-8	1,2-Dibromo-3-chloropropane	332	
120-82-1	1,2,4-Trichlorobenzene	300	
87-68-3	Hexachlorobutadiene	311	
91-20-3	Naphthalene	288	
87-61-6	1,2,3-Trichlorobenzene	286	
----------	2,methyl-naphthalene	385	
1868-53-7	Dibromofluoromethane (S)	48.8	
2037-26-5	Toluene-d8	50.6	
460-00-4	4-Bromofluorobenzene	50.2	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B08.D
Date : 29-NOV-2010 18:04
Client ID: 300ppb
Sample Info: 300ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B08.D

Date : 29-NOV-2010 18:04

Client ID: 300ppb

Instrument: 50MSV5.i

Sample Info: 300ppb

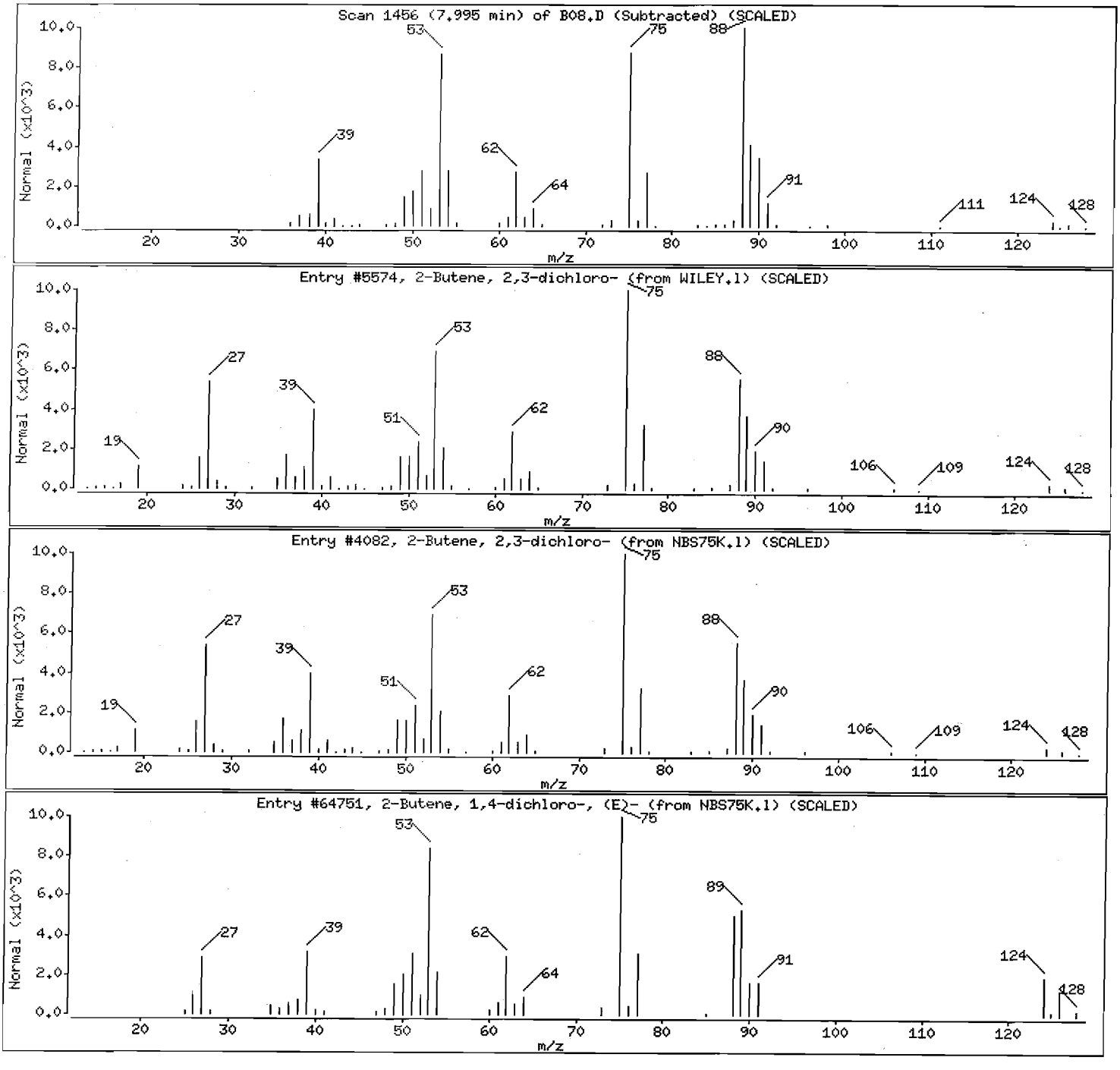
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	94	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	94	C4H6Cl2	124
2-Butene, 1,4-dichloro-, (E)-	110-57-6	NBS75K.l	64751	64	C4H6Cl2	124



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\B09ICV.D
Lab Smp Id: icv Client Smp ID: icv
Inj Date : 29-NOV-2010 18:41
Operator : rsw Inst ID: 50MSV5.i
Smp Info : icv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 30-Nov-2010 09:14 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 20 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOA-RSR

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	154224	49.7059	49.7
2 Chloromethane	50	1.002	1.002	(0.251)	115134	44.0684	44.1
3 Vinyl Chloride	62	1.049	1.049	(0.262)	108705	49.9544	50.0
4 Bromomethane	94	1.190	1.190	(0.298)	68598	57.5569	57.6
139 Methyl Acetate	43	1.765	1.765	(0.442)	42364	31.1480	31.1(R)
5 Chloroethane	64	1.227	1.226	(0.307)	55984	55.0230	55.0
6 Trichlorofluoromethane	101	1.342	1.342	(0.336)	167303	44.1196	44.1
7 Diethyl ether	74	1.452	1.457	(0.363)	29657	44.8930	44.9
8 Acrolein	56	1.525	1.525	(0.381)	178696	1356.06	1360(R)
9 1,1-Dichloroethene	96	1.577	1.577	(0.394)	77822	48.3237	48.3
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.392)	73686	40.7068	40.7
11 Acetone	43	1.598	1.598	(0.400)	70848	252.682	253
12 Iodomethane	142	1.666	1.666	(0.417)	199286	94.5813	94.6
13 Carbon Disulfide	76	1.703	1.702	(0.426)	456408	88.0565	88.0
142 Acetonitrile	39	1.760	1.760	(0.440)	93895	682.629	683
14 allyl chloride	41	1.760	1.760	(0.440)	127824	70.3362	70.3
15 Methylene Chloride	84	1.828	1.828	(0.457)	71525	44.7573	44.8
16 Acrylonitrile	53	1.964	1.964	(0.491)	295346	974.472	974
17 tert-Butyl Alcohol	59	1.870	1.875	(0.468)	3666	63.7181	63.7(QR)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.495)	95988	49.9036	49.9
19 Methyl-tert-butyl ether	73	1.975	1.980	(0.494)	340157	92.1039	92.1
20 n-Hexane	57	2.147	2.147	(0.537)	143432	46.8845	46.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	21 1,1-Dichloroethane	63	2.257	2.257	(0.564)	179407	44.5493	44.5
	23 Vinyl Acetate	43	2.283	2.283	(0.571)	456879	272.319	272(R)
	143 Chloroprene	53	2.320	2.320	(0.580)	154324	40.3637	40.4
	24 2,2-Dichloropropane	77	2.712	2.712	(0.678)	82563	40.2962	40.3
	25 1,2-Dichloroethene (cis)	96	2.712	2.712	(0.678)	107798	51.1563	51.2
	26 2-Butanone	43	2.728	2.728	(0.682)	117976	236.255	236
	27 Propionitrile	54	2.791	2.796	(0.698)	6756	50.3405	50.3(Q)
	144 Methacrylonitrile	41	2.927	2.926	(0.732)	30560	227.948	228
	28 1,2-dichlorotrifluoroethane	67	1.452	1.457	(0.363)	95481	49.1865	49.2
	29 Bromochloromethane	49	2.937	2.937	(0.735)	60622	49.7091	49.7
	30 Tetrahydrofuran	42	2.989	2.989	(0.748)	16766	23.0022	23.0
	31 Chloroform	83	3.010	3.010	(0.753)	183438	44.2191	44.2
$	32 Dibromofluoromethane (S)	113	3.178	3.177	(0.795)	108811	48.5762	48.6
	33 1,1,1-Trichloroethane	97	3.199	3.198	(0.800)	184702	45.9201	45.9
	35 Carbon Tetrachloride	117	3.382	3.381	(0.846)	168772	46.9852	47.0
	36 1,1-Dichloropropene	75	3.382	3.381	(0.846)	149504	47.8965	47.9
	37 Isobutyl alcohol	43	3.774	3.742	(0.944)	609472	407.021	407(Q)
	140 Cyclohexane	56	3.256	3.256	(0.814)	149988	42.0936	42.1
	38 Benzene	78	3.627	3.627	(0.907)	366753	48.0926	48.1
	39 1,2-Dichloroethane	62	3.659	3.659	(0.915)	119705	45.0462	45.0
	138 2,2,4-Trimethylpentane	57	3.742	3.747	(0.936)	410295	51.0944	51.1
	141 Methylcyclohexane	55	4.673	4.678	(1.169)	141697	44.0208	44.0
*	40 Fluorobenzene	96	3.999	3.999	(1.000)	414768	50.0000	
	41 Trichloroethene	95	4.454	4.454	(1.114)	113902	47.5577	47.6
	42 1,2-Dichloropropane	63	4.721	4.726	(1.180)	98077	47.0759	47.1
	43 Dibromomethane	93	4.857	4.862	(1.214)	51175	46.0727	46.1
	44 Methyl methacrylate	69	4.919	4.924	(1.230)	162902	171.858	172
	45 Bromodichloromethane	83	5.066	5.060	(1.267)	142312	46.5803	46.6
	46 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.756)	15244	25.0250	25.0
	145 1,4-Dioxane	88	4.909	4.919	(1.228)	12765	1036.77	1040(Q)
	47 cis-1,3-Dichloropropene	75	5.584	5.583	(0.774)	149480	46.6504	46.6
	48 4-Methyl-2-Pentanone	43	5.782	5.787	(0.801)	307613	236.149	236
$	49 Toluene-d8	98	5.866	5.866	(0.813)	448188	49.7109	49.7
	50 Toluene	91	5.939	5.939	(0.823)	474703	49.5273	49.5
	51 trans-1,3-Dichloropropene	75	6.206	6.211	(0.860)	124641	43.0792	43.1
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	373609	194.999	195
	53 1,1,2-Trichloroethane	83	6.389	6.394	(0.885)	63813	48.4890	48.5
	54 Tetrachloroethene	166	6.509	6.509	(0.902)	133047	42.9339	42.9
	55 1,3-Dichloropropane	76	6.546	6.551	(0.907)	136021	50.1097	50.1
	56 2-Hexanone	43	6.661	6.661	(0.923)	236540	254.383	254
	57 Dibromochloromethane	129	6.750	6.750	(0.935)	106443	46.4009	46.4
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	81736	50.0207	50.0
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	380025	50.0000	
	60 Chlorobenzene	112	7.236	7.241	(1.003)	351517	48.9816	49.0
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	121436	49.2200	49.2
	62 Ethylbenzene	106	7.336	7.335	(1.017)	203607	51.0458	51.0
	63 m&p-Xylene	106	7.425	7.424	(1.029)	492248	104.189	104
	65 o-Xylene	106	7.697	7.696	(1.067)	250150	51.8222	51.8
	66 Styrene	104	7.707	7.712	(1.068)	407623	53.5747	53.6
	67 Bromoform	173	7.822	7.827	(0.897)	58864	43.5325	43.5
	68 Isopropylbenzene	105	7.948	7.947	(1.101)	668435	50.1776	50.2
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	90935	163.414	163(Q)
$	70 4-Bromofluorobenzene	95	8.037	8.036	(1.114)	189396	49.6417	49.6
	71 Bromobenzene	77	8.125	8.125	(1.126)	228612	50.2482	50.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
72	1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	106927	48.3840	48.4
73	1,2,3-Trichloropropane	75	8.172	8.162	(0.938)	197688	81.3618	81.4
74	n-Propylbenzene	91	8.204	8.204	(0.941)	818160	51.2878	51.3
75	2-Chlorotoluene	91	8.251	8.251	(0.947)	485858	52.0049	52.0
76	4-Chlorotoluene	126	8.314	8.313	(0.954)	162549	51.1594	51.2
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	578206	51.7284	51.7
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	598858	47.2357	47.2
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	585417	48.2378	48.2
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	807808	51.7767	51.8
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	319097	50.4927	50.5
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	220621	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	677618	51.8653	51.9
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.002)	316529	50.5302	50.5
85	1,2-Dichlorobenzene	146	8.931	8.936	(1.025)	288055	50.6395	50.6
86	n-Butylbenzene	91	8.920	8.920	(1.023)	625982	53.5826	53.6
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	16861	50.4159	50.4
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	189732	47.4152	47.4
89	Hexachlorobutadiene	225	9.820	9.825	(1.127)	139114	52.0438	52.0
90	Naphthalene	128	9.872	9.872	(1.133)	376654	47.9931	48.0
91	1,2,3-Trichlorobenzene	180	9.993	9.998	(1.146)	170705	47.5311	47.5
92	2,methyl-naphthalene	142	10.479	10.484	(1.202)	99950	30.5716	30.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B09ICV.D
Lab Smp Id: icv
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: icv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	399840	199920	799680	414768	3.73
59 Chlorobenzene-d5	369530	184765	739060	380025	2.84
82 1,4-Dichlorobenze	212670	106335	425340	220621	3.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.00	3.50	4.50	4.00	0.01
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: icv
Level: LOW
Data Type: MS DATA
SpikeList File: 8260ICV.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Client SDG: b112910.b
Fraction: VOA
Client Smp ID: icv
Operator: rsw
SampleType: ICV
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	49.7	99.41	70-130
2 Chloromethane	50.0	44.1	88.14	70-130
3 Vinyl Chloride	50.0	50.0	99.91	70-130
4 Bromomethane	50.0	57.6	115.11	70-130
5 Chloroethane	50.0	55.0	110.05	70-130
6 Trichlorofluoromet	50.0	44.1	88.24	70-130
28 1,2-dichlorotriflu	50.0	49.2	98.37	70-130
7 Diethyl ether	50.0	44.9	89.79	70-130
8 Acrolein	1000	1360	135.61*	70-130
9 1,1-Dichloroethene	50.0	48.3	96.65	70-130
10 1,1,2trichlorotrif	50.0	40.7	81.41	70-130
11 Acetone	250	253	101.07	70-130
12 Iodomethane	100	94.6	94.58	70-130
13 Carbon Disulfide	100	88.0	88.06	70-130
139 Methyl Acetate	50.0	31.1	62.30*	70-130
14 allyl chloride	100	70.3	70.34	70-130
15 Methylene Chloride	50.0	44.8	89.51	70-130
16 Acrylonitrile	1000	974	97.45	70-130
17 tert-Butyl Alcohol	100	63.7	63.72*	70-130
18 1,2-Dichloroethene	50.0	49.9	99.81	70-130
19 Methyl-tert-butyl	100	92.1	92.10	70-130
20 n-Hexane	50.0	46.9	93.77	70-130
21 1,1-Dichloroethane	50.0	44.5	89.10	70-130
23 Vinyl Acetate	200	272	136.16*	70-130
25 1,2-Dichloroethene	50.0	51.2	102.31	70-130
24 2,2-Dichloropropan	50.0	40.3	80.59	70-130
26 2-Butanone	250	236	94.50	70-130
29 Bromochloromethane	50.0	49.7	99.42	70-130
31 Chloroform	50.0	44.2	88.44	70-130
33 1,1,1-Trichloroeth	50.0	45.9	91.84	70-130
140 Cyclohexane	50.0	42.1	84.19	70-130
36 1,1-Dichloropropen	50.0	47.9	95.79	70-130
35 Carbon Tetrachlori	50.0	47.0	93.97	70-130
38 Benzene	50.0	48.1	96.19	70-130
39 1,2-Dichloroethane	50.0	45.0	90.09	70-130
41 Trichloroethene	50.0	47.6	95.12	70-130
141 Methylcyclohexane	50.0	44.0	88.04	70-130
42 1,2-Dichloropropan	50.0	47.1	94.15	70-130
43 Dibromomethane	50.0	46.1	92.15	70-130
44 Methyl methacrylat	200	172	85.93	70-130

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
45 Bromodichlorometha	50.0	46.6	93.16	70-130
47 cis-1,3-Dichloropr	50.0	46.6	93.30	70-130
48 4-Methyl-2-Pentano	250	236	94.46	70-130
50 Toluene	50.0	49.5	99.05	70-130
51 trans-1,3-Dichloro	50.0	43.1	86.16	70-130
52 Ethyl Methacrylate	200	195	97.50	70-130
53 1,1,2-Trichloroeth	50.0	48.5	96.98	70-130
54 Tetrachloroethene	50.0	42.9	85.87	70-130
55 1,3-Dichloropropan	50.0	50.1	100.22	70-130
56 2-Hexanone	250	254	101.75	70-130
57 Dibromochlorometha	50.0	46.4	92.80	70-130
58 1,2-Dibromoethane	50.0	50.0	100.04	70-130
60 Chlorobenzene	50.0	49.0	97.96	70-130
61 1,1,1,2-Tetrachlor	50.0	49.2	98.44	70-130
62 Ethylbenzene	50.0	51.0	102.09	70-130
63 m&p-Xylene	100	104	104.19	70-130
65 o-Xylene	50.0	51.8	103.64	70-130
66 Styrene	50.0	53.6	107.15	70-130
67 Bromoform	50.0	43.5	87.07	70-130
68 Isopropylbenzene	50.0	50.2	100.36	70-130
69 trans-1,4-Dichloro	200	163	81.71	70-130
72 1,1,2,2-Tetrachlor	50.0	48.4	96.77	70-130
71 Bromobenzene	50.0	50.2	100.50	70-130
73 1,2,3-Trichloropro	100	81.4	81.36	70-130
74 n-Propylbenzene	50.0	51.3	102.58	70-130
75 2-Chlorotoluene	50.0	52.0	104.01	70-130
76 4-Chlorotoluene	50.0	51.2	102.32	70-130
77 1,3,5-Trimethylben	50.0	51.7	103.46	70-130
78 tert-Butylbenzene	50.0	47.2	94.47	70-130
79 1,2,4-Trimethylben	50.0	48.2	96.48	70-130
80 sec-Butylbenzene	50.0	51.8	103.55	70-130
81 1,3-Dichlorobenzen	50.0	50.5	100.99	70-130
83 p-Isopropyltoluene	50.0	51.9	103.73	70-130
84 1,4-Dichlorobenzen	50.0	50.5	101.06	70-130
86 n-Butylbenzene	50.0	53.6	107.17	70-130
85 1,2-Dichlorobenzen	50.0	50.6	101.28	70-130
88 1,2,4-Trichloroben	50.0	47.4	94.83	70-130
91 1,2,3-Trichloroben	50.0	47.5	95.06	70-130
87 1,2-Dibromo-3-chlo	50.0	50.4	100.83	70-130
89 Hexachlorobutadien	50.0	52.0	104.09	70-130
90 Naphthalene	50.0	48.0	95.99	70-130

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	48.6	97.15	80-123
$ 49 Toluene-d8	50.0	49.7	99.42	80-116
$ 70 4-Bromofluorobenze	50.0	49.6	99.28	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	49.7	
74-87-3	Chloromethane	44.1	
75-01-4	Vinyl Chloride	50.0	
74-83-9	Bromomethane	57.6	
79-20-9	Methyl Acetate	31.1	
75-00-3	Chloroethane	55.0	
75-69-4	Trichlorofluoromethane	44.1	
60-29-7	Diethyl ether	44.9	
107-02-8	Acrolein	1360	
75-35-4	1,1-Dichloroethene	48.3	
76-13-1	1,1,2trichlorotrifluoroethan	40.7	
67-64-1	Acetone	253	
----------	Iodomethane	94.6	
75-15-0	Carbon Disulfide	88.0	
75-05-8	Acetonitrile	683	
107-05-1	allyl chloride	70.3	
75-09-2	Methylene Chloride	44.8	
107-13-1	Acrylonitrile	974	
75-65-0	tert-Butyl Alcohol	63.7	
156-60-5	1,2-Dichloroethene (trans)	49.9	
1634-04-4	Methyl-tert-butyl ether	92.1	
----------	n-Hexane	46.9	
75-34-3	1,1-Dichloroethane	44.5	
108-05-4	Vinyl Acetate	272	
126-99-8	Chloroprene	40.4	
594-20-7	2,2-Dichloropropane	40.3	
156-59-2	1,2-Dichloroethene (cis)	51.2	
78-93-3	2-Butanone	236	
107-12-0	Propionitrile	50.3	
126-98-7	Methacrylonitrile	228	
354-23-4	1,2-dichlorotrifluoroethane	49.2	
74-97-5	Bromochloromethane	49.7	
----------	Tetrahydrofuran	23.0	
67-66-3	Chloroform	44.2	
71-55-6	1,1,1-Trichloroethane	45.9	
56-23-5	Carbon Tetrachloride	47.0	
563-58-6	1,1-Dichloropropene	47.9	
78-83-1	Isobutyl alcohol	407	
110-82-7	Cyclohexane	42.1	
71-43-2	Benzene	48.1	
107-06-2	1,2-Dichloroethane	45.0	
540-84-1	2,2,4-Trimethylpentane	51.1	

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TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b112910.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	44.0	
79-01-6	Trichloroethene	47.6	
78-87-5	1,2-Dichloropropane	47.1	
74-95-3	Dibromomethane	46.1	
80-62-6	Methyl methacrylate	172	
75-27-4	Bromodichloromethane	46.6	
110-75-8	2-Chloroethyl vinyl ether	25.0	
----------	1,4-Dioxane	1040	
10061-01-5	cis-1,3-Dichloropropene	46.6	
108-10-1	4-Methyl-2-Pentanone	236	
108-88-3	Toluene	49.5	
10061-02-6	trans-1,3-Dichloropropene	43.1	
----------	Ethyl Methacrylate	195	
79-00-5	1,1,2-Trichloroethane	48.5	
127-18-4	Tetrachloroethene	42.9	
142-28-9	1,3-Dichloropropane	50.1	
591-78-6	2-Hexanone	254	
124-48-1	Dibromochloromethane	46.4	
106-93-4	1,2-Dibromoethane	50.0	
108-90-7	Chlorobenzene	49.0	
630-20-6	1,1,1,2-Tetrachloroethane	49.2	
100-41-4	Ethylbenzene	51.0	
7816-60-0	m&p-Xylene	104	
95-47-6	o-Xylene	51.8	
100-42-5	Styrene	53.6	
75-25-2	Bromoform	43.5	
98-82-8	Isopropylbenzene	50.2	
----------	trans-1,4-Dichloro-2-butene	163	
108-86-1	Bromobenzene	50.2	
79-34-5	1,1,2,2-Tetrachloroethane	48.4	
96-18-4	1,2,3-Trichloropropane	81.4	
103-65-1	n-Propylbenzene	51.3	
95-49-8	2-Chlorotoluene	52.0	
106-43-4	4-Chlorotoluene	51.2	
108-67-8	1,3,5-Trimethylbenzene	51.7	
98-06-6	tert-Butylbenzene	47.2	
95-63-6	1,2,4-Trimethylbenzene	48.2	
135-98-8	sec-Butylbenzene	51.8	
541-73-1	1,3-Dichlorobenzene	50.5	
99-87-6	p-Isopropyltoluene	51.9	
106-46-7	1,4-Dichlorobenzene	50.5	
95-50-1	1,2-Dichlorobenzene	50.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

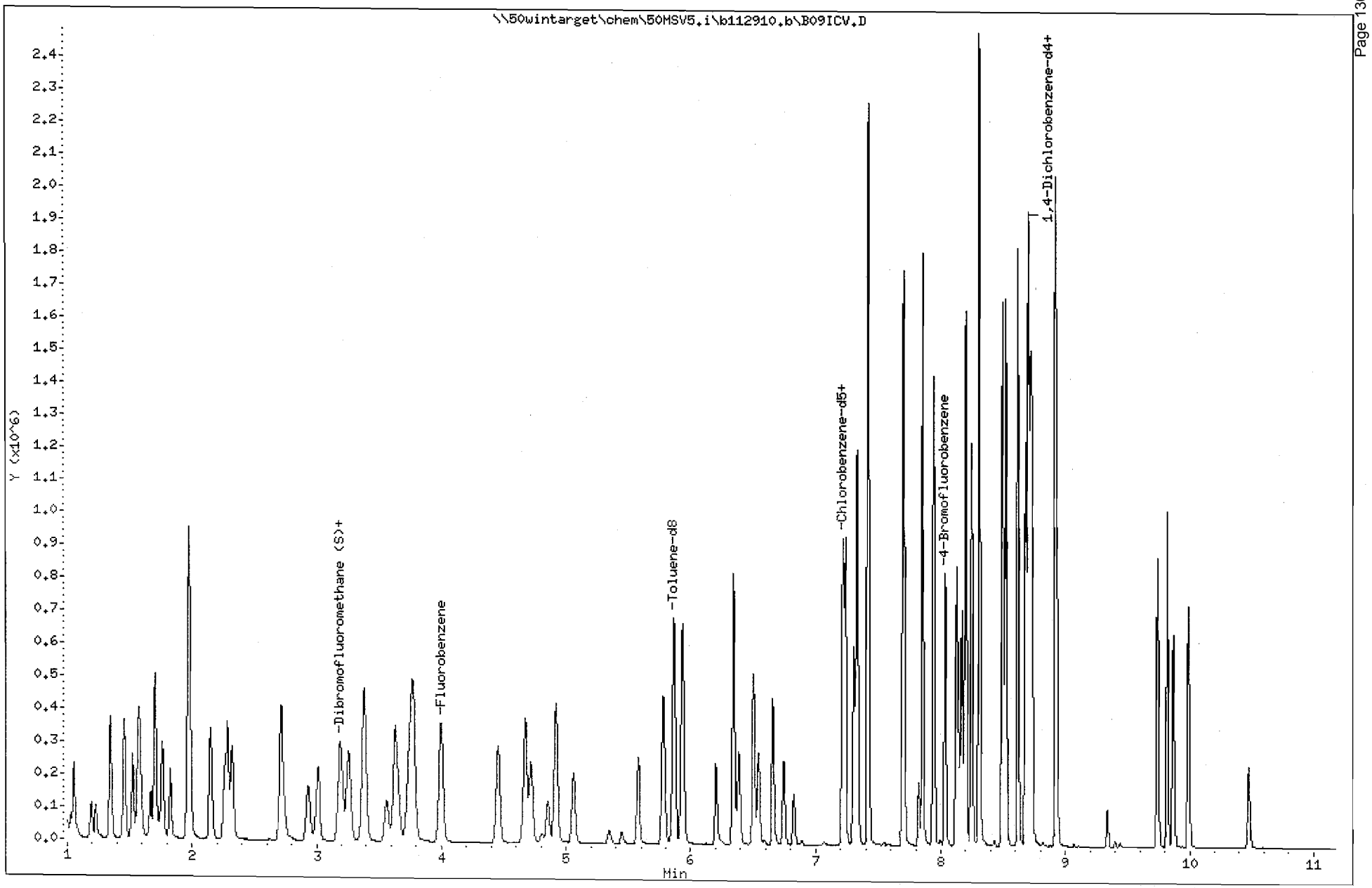
Client SDG: b112910.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	53.6	
96-12-8	1,2-Dibromo-3-chloropropane	50.4	
120-82-1	1,2,4-Trichlorobenzene	47.4	
87-68-3	Hexachlorobutadiene	52.0	
91-20-3	Naphthalene	48.0	
87-61-6	1,2,3-Trichlorobenzene	47.5	
----------	2,methyl-naphthalene	30.6	
1868-53-7	Dibromofluoromethane (S)	48.6	
2037-26-5	Toluene-d8	49.7	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B09ICV.D
Date : 29-NOV-2010 18:41
Client ID: icv
Sample Info: icv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\B09ICV.D

Date : 29-NOV-2010 18:41

Client ID: icv

Instrument: 50MSV5.i

Sample Info: icv

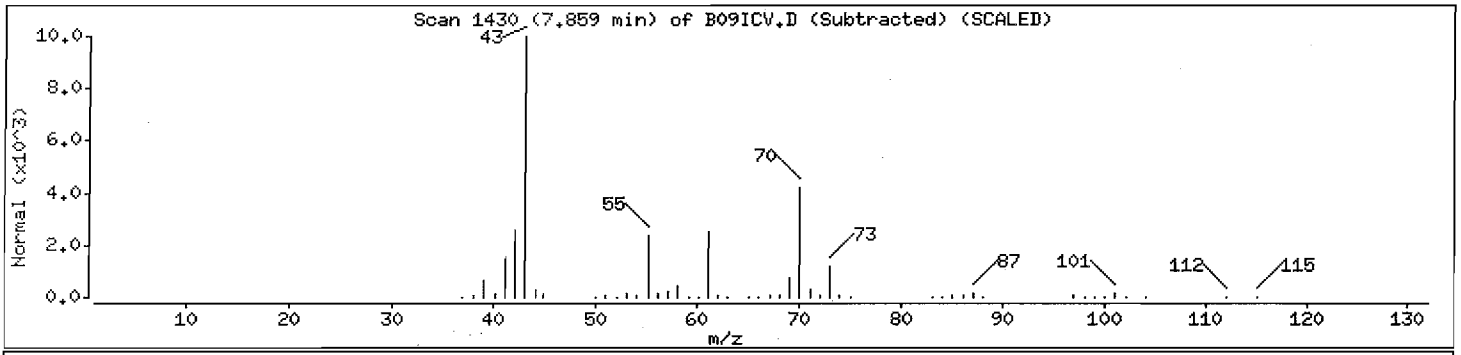
Purge Volume: 5.0

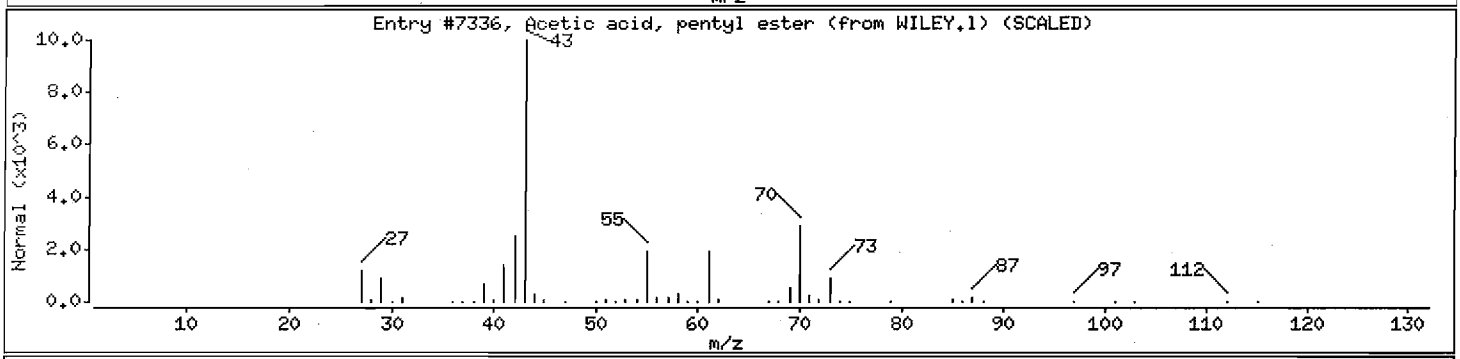
Operator: rsw

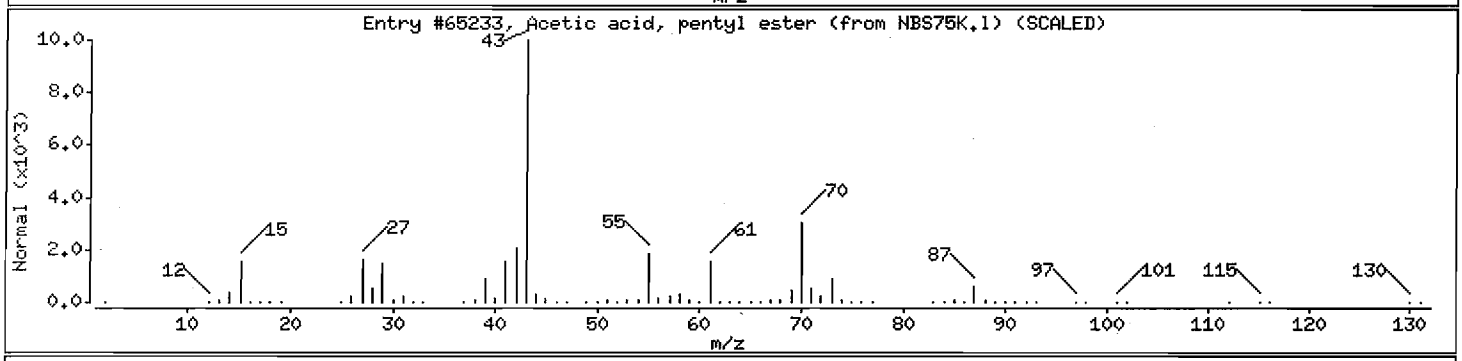
Column phase: DB-624

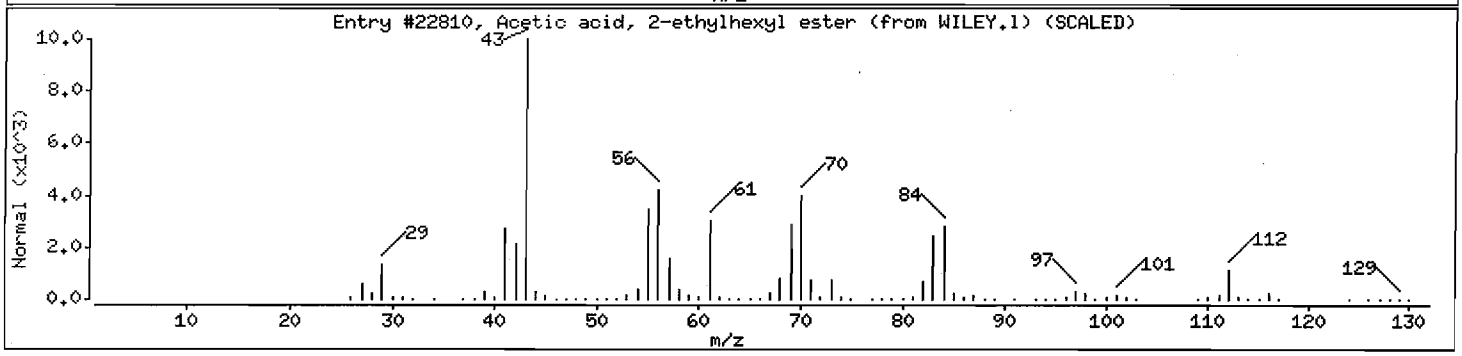
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H14O2	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65233	83	C7H14O2	130
Acetic acid, 2-ethylhexyl ester	112-14-1	WILEY.l	22810	56	C10H20O2	172











VOA 8260B
GC/MS Volatiles

Section 3: Calibration Verification Data

** Calibration Verification Summary Table*
** BFB Tune Information*
** Calibration Verification Standards*

5A

BFB ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B112910.B

Lab File ID: D00BFB BFB Injection Date: 11/29/10

Instrument ID: 50MSV5 BFB Injection Time: 1956

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.5 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	72.5 (96.0)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	D01CCV	11/29/10	2033
02	LCS	513155	D02LCS	11/29/10	2111
03	MB	513154	D03MB	11/29/10	2148
04	5043665025	5043665025	D04	11/29/10	2225
05	5043665026	5043665026	D05	11/29/10	2303
06	5043637001	5043637001	D06	11/29/10	2340
07	MS5043637001	513156	D07	11/30/10	0017
08	MSD504363700	513157	D08	11/30/10	0055
09	5043639001	5043639001	D09	11/30/10	0132
10	5043639001	5043639001	D10	11/30/10	0210
11	5043649001	5043649001	D11	11/30/10	0247
12	5043659009	5043659009	D12	11/30/10	0324
13	5043659010	5043659010	D13	11/30/10	0402
14	5043659001	5043659001	D14	11/30/10	0439
15	5043659002	5043659002	D15	11/30/10	0517
16	5043659003	5043659003	D16	11/30/10	0554
17	5043659003	5043659003	D17	11/30/10	0631
18	5043659005	5043659005	D18	11/30/10	0709
19	5043659006	5043659006	D19	11/30/10	0746
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B112910.B

Instrument ID: 50MSV5 Calibration Date: 11/29/10 Time: 2033

Lab File ID: D01CCV Init. Calib. Date(s): 11/24/10 11/29/10

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
Bromochloromethane	45.316	50.000	AVRG	9.3680	
Chloromethane	49.879	50.000	AVRG	0.2420	
Bromomethane	59.788	50.000	LINR	-19.58	
Vinyl Chloride	52.592	50.000	LINR	-5.184	
Chloroethane	54.738	50.000	LINR	-9.476	
Methylene Chloride	42.186	50.000	LINR	15.628	
1,1-Dichloroethene	43.978	50.000	AVRG	12.044	
1,1-Dichloroethane	41.447	50.000	LINR	17.106	
1,2-Dichloroethene (trans)	44.708	50.000	AVRG	10.584	
Chloroform	42.320	50.000	AVRG	15.360	
1,2-Dichloroethane	42.381	50.000	AVRG	15.238	
1,1,1-Trichloroethane	42.056	50.000	AVRG	15.888	
Carbon Tetrachloride	41.856	50.000	AVRG	16.288	
Bromodichloromethane	42.395	50.000	LINR	15.210	
1,2-Dichloropropane	42.756	50.000	AVRG	14.488	
trans-1,3-Dichloropropene	38.177	50.000	LINR	23.646	<-
Trichloroethene	43.661	50.000	AVRG	12.678	
Dibromochloromethane	42.328	50.000	AVRG	15.344	
1,1,2-Trichloroethane	43.352	50.000	AVRG	13.296	
Benzene	43.482	50.000	AVRG	13.036	
cis-1,3-Dichloropropene	41.548	50.000	LINR	16.904	
Bromoform	40.525	50.000	LINR	18.950	
Tetrachloroethene	47.499	50.000	AVRG	5.0020	
1,1,2,2-Tetrachloroethane	#41.672	50.000	AVRG	16.656#	
Toluene	43.250	50.000	AVRG	13.500	
Chlorobenzene	#43.638	50.000	AVRG	12.724#	
Ethylbenzene	43.674	50.000	AVRG	12.652	
Styrene	44.820	50.000	AVRG	10.360	
Trichlorofluoromethane	52.451	50.000	LINR	-4.902	
m&p-Xylene	87.717	100.00	AVRG	12.283	
1,2-Dichloroethene (cis)	43.916	50.000	AVRG	12.168	
o-Xylene	43.671	50.000	AVRG	12.658	
1,2,3-Trichloropropane	38.560	50.000	AVRG	22.880	<-
1,3-Dichlorobenzene	42.623	50.000	AVRG	14.754	
1,4-Dichlorobenzene	42.632	50.000	AVRG	14.736	
Dibromomethane	43.134	50.000	AVRG	13.732	
1,2-Dichlorobenzene	44.420	50.000	AVRG	11.160	
Dichlorodifluoromethane	53.994	50.000	LINR	-7.988	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B112910.B

Instrument ID: 50MSV5 Calibration Date: 11/29/10 Time: 2033

Lab File ID: D01CCV Init. Calib. Date(s): 11/24/10 11/29/10

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
2,2-Dichloropropane	35.848	50.000	LINR	28.304	<-
1,1-Dichloropropene	43.237	50.000	AVRG	13.526	
1,3-Dichloropropane	43.890	50.000	AVRG	12.220	
1,2-Dibromoethane	44.304	50.000	AVRG	11.392	
1,1,1,2-Tetrachloroethane	43.498	50.000	AVRG	13.004	
Isopropylbenzene	43.444	50.000	AVRG	13.112	
Bromobenzene	42.785	50.000	AVRG	14.430	
n-Propylbenzene	42.726	50.000	AVRG	14.548	
2-Chlorotoluene	42.640	50.000	AVRG	14.720	
4-Chlorotoluene	44.267	50.000	AVRG	11.466	
1,3,5-Trimethylbenzene	43.427	50.000	AVRG	13.146	
tert-Butylbenzene	43.492	50.000	AVRG	13.016	
1,2,4-Trimethylbenzene	41.305	50.000	AVRG	17.390	
sec-Butylbenzene	44.460	50.000	AVRG	11.080	
p-Isopropyltoluene	44.353	50.000	AVRG	11.294	
n-Butylbenzene	44.692	50.000	AVRG	10.616	
1,2-Dibromo-3-chloropropane	41.628	50.000	LINR	16.744	
1,2,4-Trichlorobenzene	40.018	50.000	LINR	19.964	
Hexachlorobutadiene	43.460	50.000	AVRG	13.080	
Naphthalene	39.240	50.000	LINR	21.520	<-
1,2,3-Trichlorobenzene	39.801	50.000	LINR	20.398	<-
Acrolein	975.57	1000.0	LINR	2.4430	
Carbon Disulfide	87.634	100.00	AVRG	12.366	
Acetone	205.28	250.00	LINR	17.888	
Acrylonitrile	900.35	1000.0	AVRG	9.9650	
Vinyl Acetate	167.62	200.00	LINR	16.190	
2-Butanone	215.91	250.00	AVRG	13.636	
2-Chloroethyl vinyl ether	77.940	100.00	LINR	22.060	<-
4-Methyl-2-Pentanone	217.78	250.00	AVRG	12.888	
2-Hexanone	219.71	250.00	AVRG	12.116	
Methyl-tert-butyl ether	86.168	100.00	AVRG	13.832	
Iodomethane	88.707	100.00	LINR	11.293	
trans-1,4-Dichloro-2-butene	38.198	50.000	LINR	23.604	<-
Ethyl Methacrylate	44.245	50.000	AVRG	11.510	
2,methyl-naphthalene	18.212	50.000	AVRG	63.576	<-
n-Hexane	44.270	50.000	AVRG	11.460	
1,1,2trichlorotrifluoroetha	43.822	50.000	AVRG	12.356	
1,2-dichlorotrifluoroethane	43.649	50.000	AVRG	12.702	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B112910.B

Instrument ID: 50MSV5 Calibration Date: 11/29/10 Time: 2033

Lab File ID: D01CCV Init. Calib. Date(s): 11/24/10 11/29/10

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
Tetrahydrofuran	21.756	50.000	AVRG	56.488	<-
allyl chloride	78.632	100.00	LINR	21.368	<-
Diethyl ether	43.268	50.000	AVRG	13.464	
Isobutyl alcohol	42.401	50.000	AVRG	15.198	
Methyl methacrylate	42.086	50.000	LINR	15.828	
Propionitrile	47.273	50.000	AVRG	5.4540	
tert-Butyl Alcohol	69.903	100.00	LINR	30.097	<-
2,2,4-Trimethylpentane	43.947	50.000	AVRG	12.106	
Methyl Acetate	41.698	50.000	AVRG	16.604	
Cyclohexane	43.551	50.000	AVRG	12.898	
Methylcyclohexane	43.878	50.000	AVRG	12.244	
Acetonitrile	777.94	1000.0	LINR	22.206	<-
Chloroprene	42.828	50.000	AVRG	14.344	
Methacrylonitrile	210.00	250.00	AVRG	16.000	
1,4-Dioxane	0.0000	50.000	AVRG	100.00	<-
Toluene-d8	50.050	50.000	AVRG	++++++	
4-Bromofluorobenzene	49.015	50.000	AVRG	1.9700	
Dibromofluoromethane (S)	49.455	50.000	AVRG	1.0900	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D00BFB.D

Date : 29-NOV-2010 19:56

Client ID: bfb050

Instrument: 50MSV5.i

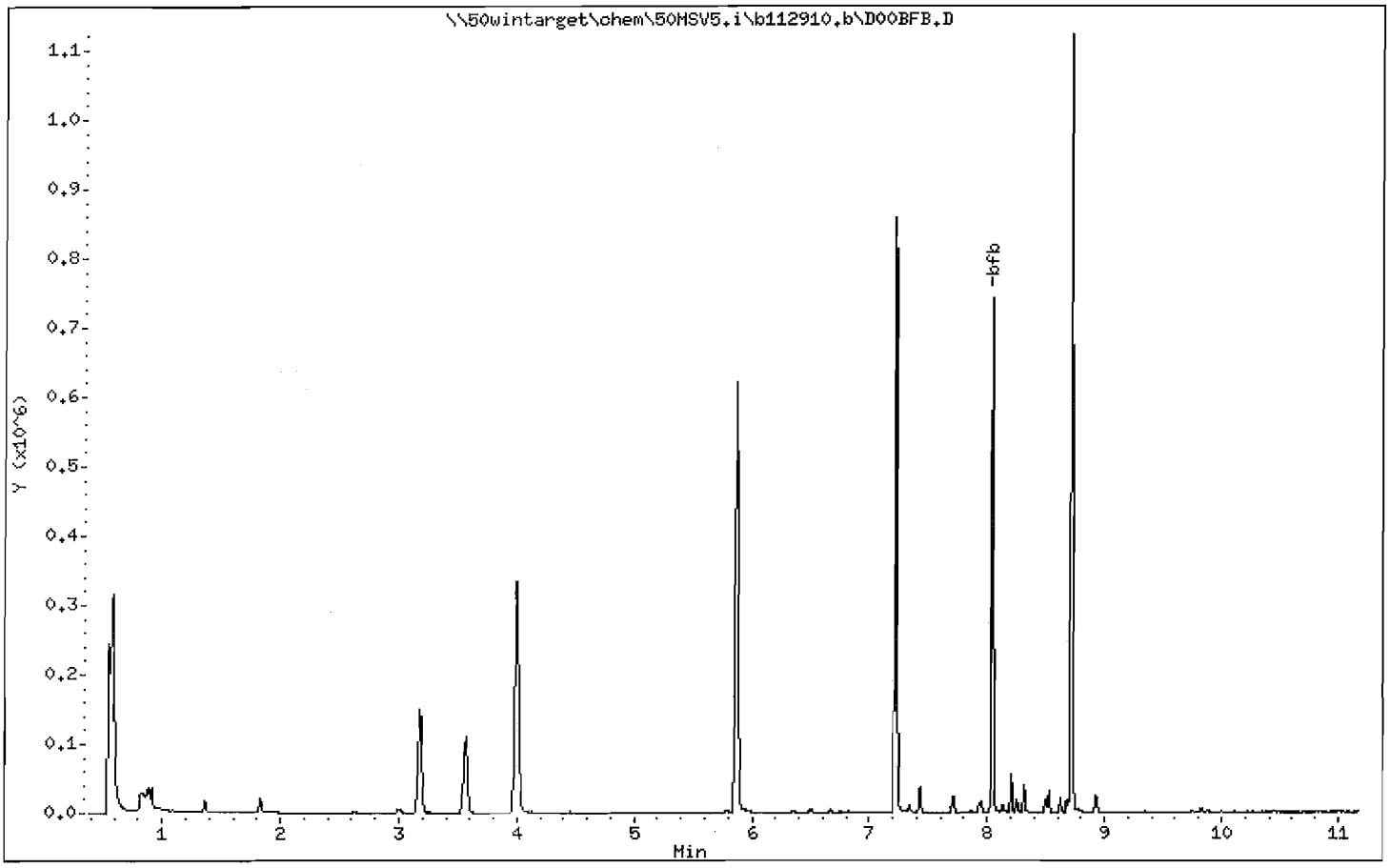
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D00BFB.D

Date : 29-NOV-2010 19:56

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

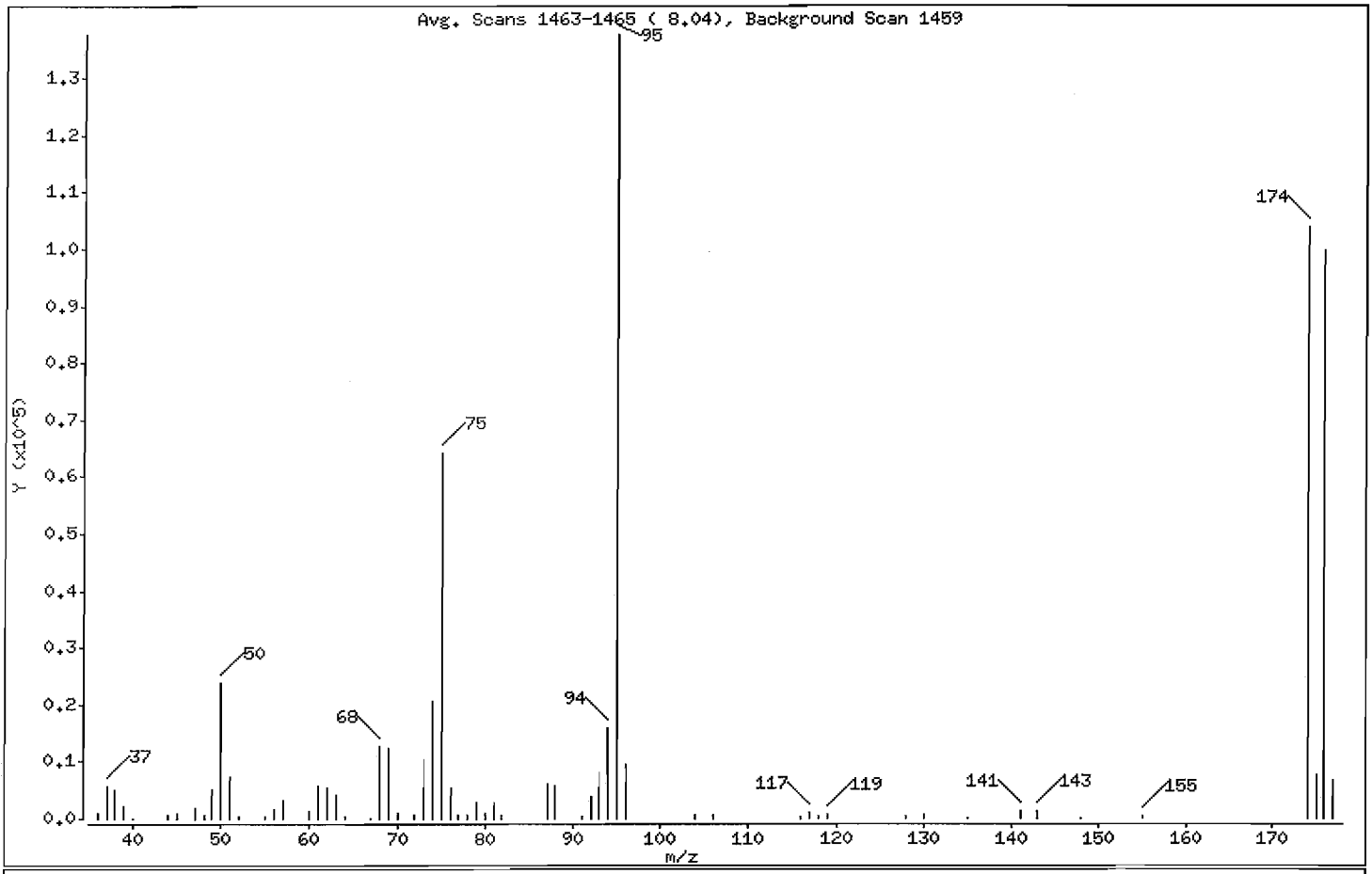
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.33
75	30.00 - 60.00% of mass 95	46.68
96	5.00 - 9.00% of mass 95	6.95
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.51
175	5.00 - 9.00% of mass 174	5.53 (7.33)
176	95.00 - 101.00% of mass 174	72.48 (95.99)
177	5.00 - 9.00% of mass 176	4.93 (6.80)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D00BFB.D

Date : 29-NOV-2010 19:56

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

Data File: D00BFB.D

Spectrum: Avg. Scans 1463-1465 (8.04), Background Scan 1459

Location of Maximum: 95.00

Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1082	60.00	1116	79.00	2869	118.00	304
37.00	5544	61.00	5643	80.00	810	119.00	615
38.00	4965	62.00	5453	81.00	2837	128.00	373
39.00	2160	63.00	4055	82.00	550	130.00	490
40.00	140	64.00	374	87.00	5884	135.00	108
44.00	576	67.00	115	88.00	5614	141.00	1277
45.00	1032	68.00	12785	91.00	334	143.00	1304
47.00	1784	69.00	12328	92.00	3771	148.00	110
48.00	777	70.00	886	93.00	5315	155.00	268
49.00	5109	72.00	644	94.00	15878	174.00	103952
50.00	23856	73.00	5408	95.00	137664	175.00	7616
51.00	7364	74.00	20704	96.00	9569	176.00	99784
52.00	285	75.00	64264	104.00	503	177.00	6787
55.00	270	76.00	5362	106.00	509		
56.00	1735	77.00	728	116.00	373		
57.00	3246	78.00	525	117.00	808		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\D01CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 29-NOV-2010 20:33
Operator : rsw Inst ID: 50MSV5.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 03-Dec-2010 16:22 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.923	0.923	(0.231)	160263	50.0000	54.0
2 Chloromethane	50	1.002	1.002	(0.251)	125624	50.0000	49.9
3 Vinyl Chloride	62	1.049	1.049	(0.262)	110182	50.0000	52.6
4 Bromomethane	94	1.190	1.190	(0.298)	68690	50.0000	59.8
139 Methyl Acetate	43	1.765	1.765	(0.442)	54672	50.0000	41.7
5 Chloroethane	64	1.226	1.226	(0.307)	53709	50.0000	54.7
6 Trichlorofluoromethane	101	1.342	1.342	(0.336)	187010	50.0000	52.4
7 Diethyl ether	74	1.457	1.457	(0.364)	27555	50.0000	43.3
8 Acrolein	56	1.525	1.525	(0.381)	125848	1000.00	976
9 1,1-Dichloroethene	96	1.577	1.577	(0.394)	68275	50.0000	44.0
10 1,1,2trichlorotrifluoroethane	101	1.566	1.566	(0.392)	76470	50.0000	43.8
11 Acetone	43	1.598	1.598	(0.400)	55860	250.000	205
12 Iodomethane	142	1.666	1.666	(0.417)	179732	100.000	88.7
13 Carbon Disulfide	76	1.702	1.702	(0.426)	437868	100.000	87.6
142 Acetonitrile	39	1.760	1.760	(0.440)	104326	1000.00	778
14 allyl chloride	41	1.760	1.760	(0.440)	139684	100.000	78.6
15 Methylene Chloride	84	1.828	1.828	(0.457)	65190	50.0000	42.2
16 Acrylonitrile	53	1.964	1.964	(0.491)	263059	1000.00	900
17 tert-Butyl Alcohol	59	1.875	1.875	(0.469)	4090	100.000	69.9(Q)
18 1,2-Dichloroethene (trans)	96	1.980	1.980	(0.495)	82900	50.0000	44.7
19 Methyl-tert-butyl ether	73	1.980	1.980	(0.495)	306782	100.000	86.2
20 n-Hexane	57	2.147	2.147	(0.537)	130559	50.0000	44.3
21 1,1-Dichloroethane	63	2.257	2.257	(0.564)	160435	50.0000	41.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 Vinyl Acetate	43	2.283	2.283	(0.571)	271400	200.000	168
	143 Chloroprene	53	2.320	2.320	(0.580)	157854	50.0000	42.8
	24 2,2-Dichloropropane	77	2.712	2.712	(0.678)	67210	50.0000	35.8
	25 1,2-Dichloroethene (cis)	96	2.712	2.712	(0.678)	89211	50.0000	43.9
	26 2-Butanone	43	2.728	2.728	(0.682)	103937	250.000	216
	27 Propionitrile	54	2.796	2.796	(0.699)	6116	50.0000	47.3
	144 Methacrylonitrile	41	2.926	2.926	(0.732)	27140	250.000	210
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	81682	50.0000	43.6
	29 Bromochloromethane	49	2.937	2.937	(0.735)	53276	50.0000	45.3
	30 Tetrahydrofuran	42	2.989	2.989	(0.748)	15287	50.0000	21.8
	31 Chloroform	83	3.010	3.010	(0.753)	169243	50.0000	42.3
$	32 Dibromofluoromethane (S)	113	3.177	3.177	(0.795)	106793	50.0000	49.4
	33 1,1,1-Trichloroethane	97	3.198	3.198	(0.800)	163073	50.0000	42.0
	35 Carbon Tetrachloride	117	3.381	3.381	(0.846)	144936	50.0000	41.8
	36 1,1-Dichloropropene	75	3.381	3.381	(0.846)	130103	50.0000	43.2
	37 Isobutyl alcohol	43	3.742	3.742	(0.936)	61206	50.0000	42.4
	140 Cyclohexane	56	3.256	3.256	(0.814)	149596	50.0000	43.6
	38 Benzene	78	3.627	3.627	(0.907)	319659	50.0000	43.5
	39 1,2-Dichloroethane	62	3.659	3.659	(0.915)	108568	50.0000	42.4
	138 2,2,4-Trimethylpentane	57	3.747	3.747	(0.937)	340202	50.0000	43.9
	141 Methylcyclohexane	55	4.678	4.678	(1.170)	136155	50.0000	43.9
*	40 Fluorobenzene	96	3.999	3.999	(1.000)	399840	50.0000	
	41 Trichloroethene	95	4.454	4.454	(1.114)	100805	50.0000	43.7
	42 1,2-Dichloropropane	63	4.726	4.726	(1.182)	85872	50.0000	42.8
	43 Dibromomethane	93	4.862	4.862	(1.216)	46186	50.0000	43.1
	44 Methyl methacrylate	69	4.924	4.924	(1.231)	36530	50.0000	42.1
	45 Bromodichloromethane	83	5.060	5.060	(1.266)	124735	50.0000	42.4
	46 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.756)	39330	100.000	77.9
	47 cis-1,3-Dichloropropene	75	5.583	5.583	(0.774)	129207	50.0000	41.5
	48 4-Methyl-2-Pentanone	43	5.787	5.787	(0.802)	275848	250.000	218
$	49 Toluene-d8	98	5.866	5.866	(0.813)	438782	50.0000	50.0
	50 Toluene	91	5.939	5.939	(0.823)	403085	50.0000	43.2
	51 trans-1,3-Dichloropropene	75	6.211	6.211	(0.861)	106096	50.0000	38.2
	52 Ethyl Methacrylate	69	6.347	6.347	(0.880)	82430	50.0000	44.2
	53 1,1,2-Trichloroethane	83	6.394	6.394	(0.886)	55477	50.0000	43.4
	54 Tetrachloroethene	166	6.509	6.509	(0.902)	143128	50.0000	47.5
	55 1,3-Dichloropropane	76	6.551	6.551	(0.908)	115848	50.0000	43.9
	56 2-Hexanone	43	6.661	6.661	(0.923)	198658	250.000	220
	57 Dibromochloromethane	129	6.750	6.750	(0.935)	94419	50.0000	42.3
	58 1,2-Dibromoethane	107	6.828	6.828	(0.946)	70396	50.0000	44.3
*	59 Chlorobenzene-d5	117	7.215	7.215	(1.000)	369530	50.0000	
	60 Chlorobenzene	112	7.241	7.241	(1.004)	304522	50.0000	43.6
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.013)	104354	50.0000	43.5
	62 Ethylbenzene	106	7.335	7.335	(1.017)	169394	50.0000	43.7
	63 m&p-Xylene	106	7.424	7.424	(1.029)	402980	100.000	87.7
	65 o-Xylene	106	7.696	7.696	(1.067)	204980	50.0000	43.7
	66 Styrene	104	7.712	7.712	(1.069)	331595	50.0000	44.8
	67 Bromoform	173	7.827	7.827	(0.898)	52194	50.0000	40.5
	68 Isopropylbenzene	105	7.947	7.947	(1.101)	562748	50.0000	43.4
	69 trans-1,4-Dichloro-2-butene	53	8.172	8.172	(1.133)	19004	50.0000	38.2(Q)
$	70 4-Bromofluorobenzene	95	8.036	8.036	(1.114)	181842	50.0000	49.0
	71 Bromobenzene	77	8.125	8.125	(1.126)	189283	50.0000	42.8
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.934)	88775	50.0000	41.7
	73 1,2,3-Trichloropropane	75	8.162	8.162	(0.936)	90315	50.0000	38.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
74	n-Propylbenzene	91	8.204	8.204	(0.941)	657008	50.0000	42.7	
75	2-Chlorotoluene	91	8.251	8.251	(0.947)	384007	50.0000	42.6	
76	4-Chlorotoluene	126	8.313	8.313	(0.954)	135581	50.0000	44.3	
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	467922	50.0000	43.4	
78	tert-Butylbenzene	119	8.497	8.497	(0.975)	531527	50.0000	43.5	
79	1,2,4-Trimethylbenzene	105	8.523	8.523	(0.978)	483215	50.0000	41.3	
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	668653	50.0000	44.4	
81	1,3-Dichlorobenzene	146	8.680	8.680	(0.996)	259653	50.0000	42.6	
* 82	1,4-Dichlorobenzene-d4	152	8.716	8.716	(1.000)	212670	50.0000		(Q)
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	558589	50.0000	44.4	
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.002)	257426	50.0000	42.6	
85	1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	243569	50.0000	44.4	
86	n-Butylbenzene	91	8.920	8.920	(1.023)	503301	50.0000	44.7	
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	13254	50.0000	41.6	
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	153150	50.0000	40.0	
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	111984	50.0000	43.5	
90	Naphthalene	128	9.872	9.872	(1.133)	288503	50.0000	39.2	
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.147)	135299	50.0000	39.8	
92	2,methyl-naphthalene	142	10.484	10.484	(1.203)	57395	50.0000	18.2	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: D01CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info:

Calibration Date: 29-NOV-2010
Calibration Time: 15:35
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	348595	174298	697190	399840	14.70
59 Chlorobenzene-d5	329556	164778	659112	369530	12.13
82 1,4-Dichlorobenze	197466	98733	394932	212670	7.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	3.99	3.49	4.49	4.00	0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	-0.00
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 29-NOV-2010 20:33
Lab File ID: D01CCV.D Init. Cal. Date(s): 24-NOV-2010 29-NOV-2010
Analysis Type: WATER Init. Cal. Times: 17:28 18:04
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	50.00000	53.99425	0.40082	0.100	7.98851	0.000e+000	Linear	
2 Chloromethane	0.31495	0.31419	0.31419	0.100	-0.24249	20.00000	Averaged	
3 Vinyl Chloride	50.00000	52.59237	0.27557	0.100	5.18474	0.000e+000	Linear	
4 Bromomethane	50.00000	59.78782	0.17179	0.100	19.57563	0.000e+000	Linear	
139 Methyl Acetate	0.16396	0.13673	0.13673	0.100	-16.60350	20.00000	Averaged	
5 Chloroethane	50.00000	54.73825	0.13433	0.100	9.47650	0.000e+000	Linear	
6 Trichlorofluoromethane	50.00000	52.45088	0.46771	0.100	4.90176	0.000e+000	Linear	
7 Diethyl ether	0.07964	0.06892	0.06892	0.100	-13.46315	20.00000	Averaged	
8 Acrolein	1000	976	0.01574	0.100	-2.44329	0.000e+000	Linear	
9 1,1-Dichloroethene	0.19414	0.17076	0.17076	0.100	-12.04334	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	0.21821	0.19125	0.19125	0.100	-12.35606	20.00000	Averaged	
11 Acetone	250	205	0.02794	0.100	-17.88850	0.000e+000	Linear	
12 Iodomethane	100	88.70701	0.22475	0.100	-11.29299	0.000e+000	Linear	
13 Carbon Disulfide	0.62482	0.54755	0.54755	0.100	-12.36643	20.00000	Averaged	
142 Acetonitrile	1000	778	0.01305	0.100	-22.20587	0.000e+000	Linear	
14 allyl chloride	100	78.63205	0.17467	0.100	-21.36795	0.000e+000	Linear	
15 Methylene Chloride	50.00000	42.18597	0.16304	0.100	-15.62806	0.000e+000	Linear	
16 Acrylonitrile	0.03654	0.03290	0.03290	0.100	-9.96519	20.00000	Averaged	
17 tert-Butyl Alcohol	100	69.90291	0.00511	0.100	-30.09709	0.000e+000	Linear	
18 1,2-Dichloroethene (trans)	0.23187	0.20733	0.20733	0.100	-10.58331	20.00000	Averaged	
19 Methyl-tert-butyl ether	0.44521	0.38363	0.38363	0.100	-13.83173	20.00000	Averaged	
20 n-Hexane	0.36879	0.32653	0.32653	0.100	-11.46006	20.00000	Averaged	
21 1,1-Dichloroethane	50.00000	41.44662	0.40125	0.100	-17.10676	0.000e+000	Linear	
23 Vinyl Acetate	200	168	0.16969	0.100	-16.18905	0.000e+000	Linear	
143 Chloroprene	0.46090	0.39479	0.39479	0.100	-14.34320	20.00000	Averaged	
24 2,2-Dichloropropane	50.00000	35.84804	0.16809	0.100	-28.30391	0.000e+000	Linear	
25 1,2-Dichloroethene (cis)	0.25402	0.22312	0.22312	0.100	-12.16733	20.00000	Averaged	
26 2-Butanone	0.06020	0.05199	0.05199	0.100	-13.63510	20.00000	Averaged	
27 Propionitrile	0.01618	0.01530	0.01530	0.100	-5.45375	20.00000	Averaged	
144 Methacrylonitrile	0.01616	0.01358	0.01358	0.100	-16.00159	20.00000	Averaged	
28 1,2-dichlorotrifluoroethane	0.23401	0.20429	0.20429	0.100	-12.70198	20.00000	Averaged	
29 Bromochloromethane	0.14701	0.13324	0.13324	0.100	-9.36700	20.00000	Averaged	
30 Tetrahydrofuran	0.08787	0.03823	0.03823	0.100	-56.48777	20.00000	Averaged	<-
31 Chloroform	0.50009	0.42328	0.42328	0.100	-15.35913	20.00000	Averaged	
$ 32 Dibromofluoromethane (S)	0.27003	0.26709	0.26709	0.100	-1.08957	20.00000	Averaged	
33 1,1,1-Trichloroethane	0.48488	0.40785	0.40785	0.100	-15.88713	20.00000	Averaged	
35 Carbon Tetrachloride	0.43302	0.36248	0.36248	0.100	-16.28834	20.00000	Averaged	
36 1,1-Dichloropropene	0.37628	0.32539	0.32539	0.100	-13.52558	20.00000	Averaged	
37 Isobutyl alcohol	0.18051	0.15308	0.15308	0.100	-15.19803	20.00000	Averaged	
140 Cyclohexane	0.42954	0.37414	0.37414	0.100	-12.89800	20.00000	Averaged	
38 Benzene	0.91931	0.79947	0.79947	0.100	-13.03575	20.00000	Averaged	
39 1,2-Dichloroethane	0.32035	0.27153	0.27153	0.100	-15.23887	20.00000	Averaged	
138 2,2,4-Trimethylpentane	0.96803	0.85085	0.85085	0.100	-12.10518	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 29-NOV-2010 20:33
Lab File ID: D01CCV.D Init. Cal. Date(s): 24-NOV-2010 29-NOV-2010
Analysis Type: WATER Init. Cal. Times: 17:28 18:04
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	0.38803	0.34052	0.34052	0.100	-12.24348	20.00000	Averaged	
41 Trichloroethene	0.28872	0.25211	0.25211	0.100	-12.67862	20.00000	Averaged	
42 1,2-Dichloropropane	0.25115	0.21477	0.21477	0.100	-14.48706	20.00000	Averaged	
43 Dibromomethane	0.13390	0.11551	0.11551	0.100	-13.73288	20.00000	Averaged	
44 Methyl methacrylate	50.00000	42.08648	0.09136	0.100	-15.82704	0.000e+000	Linear	
45 Bromodichloromethane	50.00000	42.39482	0.31196	0.100	-15.21036	0.000e+000	Linear	
46 2-Chloroethyl vinyl ether	100	77.94044	0.05322	0.100	-22.05956	0.000e+000	Linear	
145 1,4-Dioxane	0.00148	++++	++++	0.100	++++	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	41.54827	0.34965	0.100	-16.90346	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	0.17139	0.14930	0.14930	0.100	-12.88885	20.00000	Averaged	
$ 49 Toluene-d8	1.18622	1.18741	1.18741	0.100	0.09965	20.00000	Averaged	
50 Toluene	1.26106	1.09080	1.09080	0.100	-13.50090	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	38.17660	0.28711	0.100	-23.64680	0.000e+000	Linear	
52 Ethyl Methacrylate	0.25208	0.22307	0.22307	0.100	-11.51032	20.00000	Averaged	
53 1,1,2-Trichloroethane	0.17315	0.15013	0.15013	0.100	-13.29585	20.00000	Averaged	
54 Tetrachloroethene	0.40772	0.38732	0.38732	0.100	-5.00237	20.00000	Averaged	
55 1,3-Dichloropropane	0.35714	0.31350	0.31350	0.100	-12.21976	20.00000	Averaged	
56 2-Hexanone	0.12234	0.10752	0.10752	0.100	-12.11567	20.00000	Averaged	
57 Dibromochloromethane	0.30182	0.25551	0.25551	0.100	-15.34343	20.00000	Averaged	
58 1,2-Dibromoethane	0.21499	0.19050	0.19050	0.100	-11.39129	20.00000	Averaged	
60 Chlorobenzene	0.94422	0.82408	0.82408	0.300	-12.72341	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	0.32461	0.28240	0.28240	0.100	-13.00476	20.00000	Averaged	
62 Ethylbenzene	0.52480	0.45840	0.45840	0.100	-12.65102	20.00000	Averaged	
63 m&p-Xylene	0.62161	0.54526	0.54526	0.100	-12.28265	20.00000	Averaged	
65 o-Xylene	0.63510	0.55470	0.55470	0.100	-12.65879	20.00000	Averaged	
66 Styrene	1.00105	0.89734	0.89734	0.100	-10.36006	20.00000	Averaged	
67 Bromoform	50.00000	40.52540	0.24542	0.100	-18.94920	0.000e+000	Linear	
68 Isopropylbenzene	1.75270	1.52288	1.52288	0.100	-13.11256	20.00000	Averaged	
69 trans-1,4-Dichloro-2-butene	50.00000	38.19761	0.05143	0.100	-23.60478	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.50198	0.49209	0.49209	0.100	-1.96925	20.00000	Averaged	
71 Bromobenzene	0.59860	0.51223	0.51223	0.100	-14.42915	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.50085	0.41743	0.41743	0.300	-16.65570	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.55066	0.42467	0.42467	0.100	-22.87936	20.00000	Averaged	<-
74 n-Propylbenzene	3.61532	3.08933	3.08933	0.100	-14.54893	20.00000	Averaged	
75 2-Chlorotoluene	2.11733	1.80565	1.80565	0.100	-14.72056	20.00000	Averaged	
76 4-Chlorotoluene	0.72008	0.63752	0.63752	0.100	-11.46583	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.53324	2.20023	2.20023	0.100	-13.14591	20.00000	Averaged	
78 tert-Butylbenzene	2.87327	2.49930	2.49930	0.100	-13.01538	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.75043	2.27214	2.27214	0.100	-17.38994	20.00000	Averaged	
80 sec-Butylbenzene	3.53588	3.14409	3.14409	0.100	-11.08037	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.43225	1.22092	1.22092	0.100	-14.75489	20.00000	Averaged	
83 p-Isopropyltoluene	2.96095	2.62655	2.62655	0.100	-11.29367	20.00000	Averaged	

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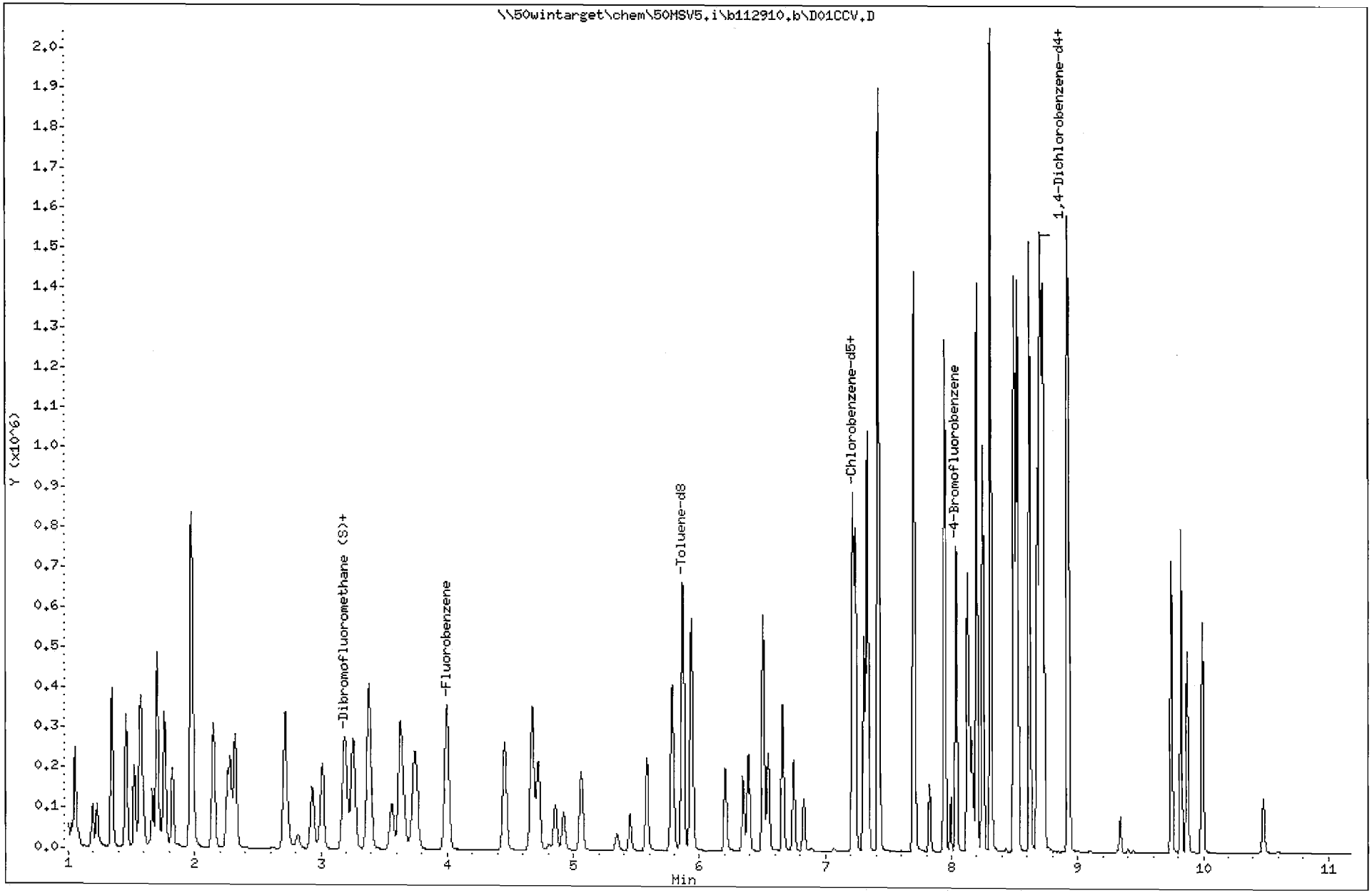
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 29-NOV-2010 20:33
Lab File ID: D01CCV.D Init. Cal. Date(s): 24-NOV-2010 29-NOV-2010
Analysis Type: WATER Init. Cal. Times: 17:28 18:04
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
84 1,4-Dichlorobenzene	1.41966	1.21045	1.21045	0.100	-14.73694	20.00000	Averaged	
85 1,2-Dichlorobenzene	1.28917	1.14529	1.14529	0.100	-11.16044	20.00000	Averaged	
86 n-Butylbenzene	2.64765	2.36658	2.36658	0.100	-10.61590	20.00000	Averaged	
87 1,2-Dibromo-3-chloropropane	50.00000	41.62822	0.06232	0.100	-16.74356	0.000e+000	Linear	
88 1,2,4-Trichlorobenzene	50.00000	40.01821	0.72013	0.100	-19.96357	0.000e+000	Linear	
89 Hexachlorobutadiene	0.60579	0.52656	0.52656	0.100	-13.07902	20.00000	Averaged	
90 Naphthalene	50.00000	39.24003	1.35658	0.100	-21.51995	0.000e+000	Linear	
91 1,2,3-Trichlorobenzene	50.00000	39.80091	0.63619	0.100	-20.39817	0.000e+000	Linear	
92 2,methyl-naphthalene	0.74095	0.26988	0.26988	0.100	-63.57660	20.00000	Averaged	<-

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D01CCV.D
Date : 29-NOV-2010 20:33
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



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VOA 8260B
GC/MS Volatiles

Section 4: Quality Control Data

** Laboratory Control Samples (LCS)*
** Matrix Spike and Spike Duplicate Samples (MS/MSD)*

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\D02LCS.D
Lab Smp Id: 513155 Client Smp ID: lcs
Inj Date : 29-NOV-2010 21:11
Operator : rsw Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info : 28552
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 03-Dec-2010 16:22 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 28 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	0.929	0.923	(0.232)	152854	52.4489	52.4
2 Chloromethane	50	1.002	1.002	(0.250)	116333	47.1666	47.2
3 Vinyl Chloride	62	1.049	1.049	(0.262)	108106	52.6953	52.7
4 Bromomethane	94	1.190	1.190	(0.297)	66491	59.0972	59.1
139 Methyl Acetate	43	1.765	1.765	(0.441)	40602	31.6220	31.6
5 Chloroethane	64	1.232	1.226	(0.308)	53266	55.4865	55.5
6 Trichlorofluoromethane	101	1.342	1.342	(0.335)	165624	47.0607	47.1
7 Diethyl ether	74	1.457	1.457	(0.364)	29295	46.9735	47.0
8 Acrolein	56	1.525	1.525	(0.381)	169372	1361.71	1360
9 1,1-Dichloroethene	96	1.582	1.577	(0.395)	75676	49.7765	49.8
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.391)	72255	42.2822	42.3
11 Acetone	43	1.598	1.598	(0.399)	68719	259.825	260
12 Iodomethane	142	1.666	1.666	(0.416)	175959	88.6825	88.7
13 Carbon Disulfide	76	1.708	1.702	(0.427)	442471	90.4276	90.4
142 Acetonitrile	39	1.760	1.760	(0.440)	111017	840.323	840
14 allyl chloride	41	1.760	1.760	(0.440)	146377	83.5654	83.6
15 Methylene Chloride	84	1.828	1.828	(0.457)	71310	47.4016	47.4
16 Acrylonitrile	53	1.969	1.964	(0.492)	291333	1018.21	1020
17 tert-Butyl Alcohol	59	1.875	1.875	(0.468)	4127	71.2855	71.3(Q)
18 1,2-Dichloroethene (trans)	96	1.985	1.980	(0.496)	92493	50.9368	50.9
19 Methyl-tert-butyl ether	73	1.980	1.980	(0.495)	347663	99.7160	99.7
20 n-Hexane	57	2.152	2.147	(0.538)	138111	47.8211	47.8
21 1,1-Dichloroethane	63	2.262	2.257	(0.565)	175416	46.0804	46.1

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	23 Vinyl Acetate	43	2.288	2.283	(0.572)	426275	269.132	269
	143 Chloroprene	53	2.325	2.320	(0.581)	148496	41.1415	41.1
	24 2,2-Dichloropropane	77	2.717	2.712	(0.679)	83206	42.2269	42.2
	25 1,2-Dichloroethene (cis)	96	2.717	2.712	(0.679)	103986	52.2723	52.3
	26 2-Butanone	43	2.733	2.728	(0.683)	114362	242.593	242
	27 Propionitrile	54	2.796	2.796	(0.698)	6451	50.9170	50.9(Q)
	144 Methacrylonitrile	41	2.926	2.926	(0.731)	30244	238.962	239
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	93414	50.9740	51.0
	29 Bromochloromethane	49	2.937	2.937	(0.734)	61804	53.6822	53.7
	30 Tetrahydrofuran	42	2.994	2.989	(0.748)	16506	23.9878	24.0
	31 Chloroform	83	3.015	3.010	(0.753)	181190	46.2661	46.3
$	32 Dibromofluoromethane (S)	113	3.183	3.177	(0.795)	106876	50.5404	50.5
	33 1,1,1-Trichloroethane	97	3.204	3.198	(0.800)	181601	47.8253	47.8
	35 Carbon Tetrachloride	117	3.387	3.381	(0.846)	164729	48.5779	48.6
	36 1,1-Dichloropropene	75	3.387	3.381	(0.846)	144786	49.1344	49.1
	37 Isobutyl alcohol	43	3.779	3.742	(0.944)	594676	420.680	421(Q)
	140 Cyclohexane	56	3.261	3.256	(0.815)	144219	42.8736	42.9
	38 Benzene	78	3.633	3.627	(0.907)	355366	49.3615	49.4
	39 1,2-Dichloroethane	62	3.659	3.659	(0.914)	121933	48.6044	48.6
	138 2,2,4-Trimethylpentane	57	3.748	3.747	(0.936)	388027	51.1856	51.2
	141 Methylcyclohexane	55	4.679	4.678	(1.168)	137455	45.2340	45.2
*	40 Fluorobenzene	96	4.004	3.999	(1.000)	391559	50.0000	
	41 Trichloroethene	95	4.459	4.454	(1.114)	110649	48.9379	48.9
	42 1,2-Dichloropropane	63	4.726	4.726	(1.180)	95836	48.7268	48.7
	43 Dibromomethane	93	4.862	4.862	(1.214)	52761	50.3161	50.3
	44 Methyl methacrylate	69	4.924	4.924	(1.230)	157720	176.184	176
	45 Bromodichloromethane	83	5.066	5.060	(1.265)	138254	47.9204	47.9
	46 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.755)	15554	27.1474	27.1
	145 1,4-Dioxane	88	4.919	4.919	(1.229)	12604	1084.37	1080(Q)
	47 cis-1,3-Dichloropropene	75	5.583	5.583	(0.773)	145226	47.3541	47.4
	48 4-Methyl-2-Pentanone	43	5.787	5.787	(0.802)	292268	234.479	234
$	49 Toluene-d8	98	5.871	5.866	(0.813)	434136	50.3221	50.3
	50 Toluene	91	5.944	5.939	(0.823)	457006	49.8295	49.8
	51 trans-1,3-Dichloropropene	75	6.211	6.211	(0.860)	120866	43.6068	43.6
	52 Ethyl Methacrylate	69	6.352	6.347	(0.880)	354562	193.397	193
	53 1,1,2-Trichloroethane	83	6.394	6.394	(0.886)	62509	49.6385	49.6
	54 Tetrachloroethene	166	6.509	6.509	(0.901)	124876	42.1130	42.1
	55 1,3-Dichloropropane	76	6.551	6.551	(0.907)	132551	51.0318	51.0
	56 2-Hexanone	43	6.666	6.661	(0.923)	221364	248.789	249
	57 Dibromochloromethane	129	6.750	6.750	(0.935)	103752	47.2658	47.3
	58 1,2-Dibromoethane	107	6.833	6.828	(0.946)	80882	51.7285	51.7
*	59 Chlorobenzene-d5	117	7.221	7.215	(1.000)	363639	50.0000	
	60 Chlorobenzene	112	7.241	7.241	(1.003)	339384	49.4219	49.4
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.012)	117551	49.7923	49.8
	62 Ethylbenzene	106	7.336	7.335	(1.016)	189114	49.5488	49.5
	63 m&p-Xylene	106	7.424	7.424	(1.028)	457680	101.238	101
	65 o-Xylene	106	7.702	7.696	(1.067)	227441	49.2409	49.2
	66 Styrene	104	7.712	7.712	(1.068)	371385	51.0114	51.0
	67 Bromoform	173	7.827	7.827	(0.897)	59129	46.3028	46.3
	68 Isopropylbenzene	105	7.948	7.947	(1.101)	627684	49.2417	49.2
	69 trans-1,4-Dichloro-2-butene	53	8.178	8.172	(1.133)	88531	166.194	166(Q)
$	70 4-Bromofluorobenzene	95	8.042	8.036	(1.114)	179217	49.0904	49.1
	71 Bromobenzene	77	8.125	8.125	(1.125)	212076	48.7141	48.7
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.933)	101808	49.2480	49.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
73	1,2,3-Trichloropropane	75	8.172	8.162	(0.937)	189480	83.3672	83.4
74	n-Propylbenzene	91	8.204	8.204	(0.941)	760592	50.9706	51.0
75	2-Chlorotoluene	91	8.251	8.251	(0.946)	446157	51.0522	51.0
76	4-Chlorotoluene	126	8.319	8.313	(0.954)	151255	50.8912	50.9
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	533451	51.0191	51.0
78	tert-Butylbenzene	119	8.497	8.497	(0.974)	502101	42.3379	42.3
79	1,2,4-Trimethylbenzene	105	8.528	8.523	(0.978)	542443	47.7824	47.8
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	760229	52.0910	52.1
81	1,3-Dichlorobenzene	146	8.685	8.680	(0.996)	295241	49.9429	49.9
* 82	1,4-Dichlorobenzene-d4	152	8.722	8.716	(1.000)	206374	50.0000	
83	p-Isopropyltoluene	119	8.701	8.701	(0.998)	628891	51.4587	51.4
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.001)	291547	49.7552	49.8
85	1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	269478	50.6441	50.6
86	n-Butylbenzene	91	8.920	8.920	(1.023)	583776	53.4195	53.4
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	15320	49.0507	49.0
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	176957	47.2813	47.3
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	132511	52.9958	53.0
90	Naphthalene	128	9.872	9.872	(1.132)	343322	46.9035	46.9
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.146)	159690	47.5335	47.5
92	2,methyl-naphthalene	142	10.484	10.484	(1.202)	84445	27.6122	27.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: D02LCS.D
Lab Smp Id: 513155
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	399840	199920	799680	391559	-2.07
59 Chlorobenzene-d5	369530	184765	739060	363639	-1.59
82 1,4-Dichlorobenze	212670	106335	425340	206374	-2.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.00	3.50	4.50	4.00	0.14
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.07
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b112910.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 513155
Client Smp ID: lcs
Level: LOW
Operator: rsw
Data Type: MS DATA
SampleType: LCS
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	52.4	104.90	30-170
2 Chloromethane	50.0	47.2	94.33	35-147
3 Vinyl Chloride	50.0	52.7	105.39	55-141
4 Bromomethane	50.0	59.1	118.19	30-170
5 Chloroethane	50.0	55.5	110.97	56-153
6 Trichlorofluoromet	50.0	47.1	94.12	62-150
7 Diethyl ether	50.0	47.0	93.95	70-130
8 Acrolein	1000	1360	136.17	30-170
9 1,1-Dichloroethene	50.0	49.8	99.55	63-128
10 1,1,2trichlorotrif	50.0	42.3	84.56	74-153
11 Acetone	250	260	103.93	30-170
12 Iodomethane	100	88.7	88.68	41-170
13 Carbon Disulfide	100	90.4	90.43	58-152
14 allyl chloride	100	83.6	83.57	70-130
15 Methylene Chloride	50.0	47.4	94.80	32-164
16 Acrylonitrile	1000	1020	101.82	67-136
17 tert-Butyl Alcohol	100	71.3	71.29	50-150
18 1,2-Dichloroethene	50.0	50.9	101.87	71-126
19 Methyl-tert-butyl	100	99.7	99.72	66-147
20 n-Hexane	50.0	47.8	95.64	69-157
21 1,1-Dichloroethane	50.0	46.1	92.16	67-133
23 Vinyl Acetate	200	269	134.57	41-145
24 2,2-Dichloropropan	50.0	42.2	84.45	52-144
25 1,2-Dichloroethene	50.0	52.3	104.54	74-128
26 2-Butanone	250	242	97.04	47-189
28 1,2-dichlorotriflu	50.0	51.0	101.95	54-162
29 Bromochloromethane	50.0	53.7	107.36	54-162
31 Chloroform	50.0	46.3	92.53	74-131
33 1,1,1-Trichloroeth	50.0	47.8	95.65	69-136
35 Carbon Tetrachlori	50.0	48.6	97.16	62-143
36 1,1-Dichloropropen	50.0	49.1	98.27	75-134
38 Benzene	50.0	49.4	98.72	78-127
39 1,2-Dichloroethane	50.0	48.6	97.21	69-139
41 Trichloroethene	50.0	48.9	97.88	74-130
42 1,2-Dichloropropan	50.0	48.7	97.45	76-129
43 Dibromomethane	50.0	50.3	100.63	73-133
44 Methyl methacrylat	200	176	88.09	70-130
45 Bromodichlorometha	50.0	47.9	95.84	69-133
47 cis-1,3-Dichloropr	50.0	47.4	94.71	54-123
48 4-Methyl-2-Pentano	250	234	93.79	61-135

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 Toluene	50.0	49.8	99.66	75-129
51 trans-1,3-Dichloro	50.0	43.6	87.21	54-123
52 Ethyl Methacrylate	200	193	96.70	59-138
53 1,1,2-Trichloroeth	50.0	49.6	99.28	77-132
54 Tetrachloroethene	50.0	42.1	84.23	60-119
55 1,3-Dichloropropan	50.0	51.0	102.06	74-126
56 2-Hexanone	250	249	99.52	57-167
57 Dibromochlorometha	50.0	47.3	94.53	66-131
58 1,2-Dibromoethane	50.0	51.7	103.46	75-126
60 Chlorobenzene	50.0	49.4	98.84	75-123
61 1,1,1,2-Tetrachlor	50.0	49.8	99.58	69-130
62 Ethylbenzene	50.0	49.5	99.10	81-126
63 m&p-Xylene	100	101	101.24	71-131
65 o-Xylene	50.0	49.2	98.48	72-127
66 Styrene	50.0	51.0	102.02	74-128
67 Bromoform	50.0	46.3	92.61	60-127
68 Isopropylbenzene	50.0	49.2	98.48	80-130
69 trans-1,4-Dichloro	200	166	83.10	50-150
71 Bromobenzene	50.0	48.7	97.43	62-139
72 1,1,2,2-Tetrachlor	50.0	49.2	98.50	69-130
73 1,2,3-Trichloropro	100	83.4	83.37	60-131
74 n-Propylbenzene	50.0	51.0	101.94	71-132
75 2-Chlorotoluene	50.0	51.0	102.10	72-128
76 4-Chlorotoluene	50.0	50.9	101.78	73-124
77 1,3,5-Trimethylben	50.0	51.0	102.04	74-130
78 tert-Butylbenzene	50.0	42.3	84.68	63-117
79 1,2,4-Trimethylben	50.0	47.8	95.56	73-130
80 sec-Butylbenzene	50.0	52.1	104.18	73-130
81 1,3-Dichlorobenzen	50.0	49.9	99.89	76-125
83 p-Isopropyltoluene	50.0	51.4	102.92	66-131
84 1,4-Dichlorobenzen	50.0	49.8	99.51	75-122
85 1,2-Dichlorobenzen	50.0	50.6	101.29	76-124
86 n-Butylbenzene	50.0	53.4	106.84	68-135
87 1,2-Dibromo-3-chlo	50.0	49.0	98.10	61-125
88 1,2,4-Trichloroben	50.0	47.3	94.56	60-130
89 Hexachlorobutadien	50.0	53.0	105.99	70-130
90 Naphthalene	50.0	46.9	93.81	61-135
91 1,2,3-Trichloroben	50.0	47.5	95.07	58-131
139 Methyl Acetate	50.0	31.6	63.24	30-170
140 Cyclohexane	50.0	42.9	85.75	63-134
141 Methylcyclohexane	50.0	45.2	90.47	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	50.5	101.08	80-123
$ 49 Toluene-d8	50.0	50.3	100.64	80-116
$ 70 4-Bromofluorobenze	50.0	49.1	98.18	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 513155
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	52.4	
74-87-3	Chloromethane	47.2	
75-01-4	Vinyl Chloride	52.7	
74-83-9	Bromomethane	59.1	
79-20-9	Methyl Acetate	31.6	
75-00-3	Chloroethane	55.5	
75-69-4	Trichlorofluoromethane	47.1	
60-29-7	Diethyl ether	47.0	
107-02-8	Acrolein	1360	
75-35-4	1,1-Dichloroethene	49.8	
76-13-1	1,1,2trichlorotrifluoroethan	42.3	
67-64-1	Acetone	260	
----------	Iodomethane	88.7	
75-15-0	Carbon Disulfide	90.4	
75-05-8	Acetonitrile	840	
107-05-1	allyl chloride	83.6	
75-09-2	Methylene Chloride	47.4	
107-13-1	Acrylonitrile	1020	
75-65-0	tert-Butyl Alcohol	71.3	
156-60-5	1,2-Dichloroethene (trans)	50.9	
1634-04-4	Methyl-tert-butyl ether	99.7	
----------	n-Hexane	47.8	
75-34-3	1,1-Dichloroethane	46.1	
108-05-4	Vinyl Acetate	269	
126-99-8	Chloroprene	41.1	
594-20-7	2,2-Dichloropropane	42.2	
156-59-2	1,2-Dichloroethene (cis)	52.3	
78-93-3	2-Butanone	242	
107-12-0	Propionitrile	50.9	
126-98-7	Methacrylonitrile	239	
354-23-4	1,2-dichlorotrifluoroethane	51.0	
74-97-5	Bromochloromethane	53.7	
----------	Tetrahydrofuran	24.0	
67-66-3	Chloroform	46.3	
71-55-6	1,1,1-Trichloroethane	47.8	
56-23-5	Carbon Tetrachloride	48.6	
563-58-6	1,1-Dichloropropene	49.1	
78-83-1	Isobutyl alcohol	421	
110-82-7	Cyclohexane	42.9	
71-43-2	Benzene	49.4	
107-06-2	1,2-Dichloroethane	48.6	
540-84-1	2,2,4-Trimethylpentane	51.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 513155
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-82-7	Methylcyclohexane	45.2	
79-01-6	Trichloroethene	48.9	
78-87-5	1,2-Dichloropropane	48.7	
74-95-3	Dibromomethane	50.3	
80-62-6	Methyl methacrylate	176	
75-27-4	Bromodichloromethane	47.9	
110-75-8	2-Chloroethyl vinyl ether	27.1	
----------	1,4-Dioxane	1080	
10061-01-5	cis-1,3-Dichloropropene	47.4	
108-10-1	4-Methyl-2-Pentanone	234	
108-88-3	Toluene	49.8	
10061-02-6	trans-1,3-Dichloropropene	43.6	
----------	Ethyl Methacrylate	193	
79-00-5	1,1,2-Trichloroethane	49.6	
127-18-4	Tetrachloroethene	42.1	
142-28-9	1,3-Dichloropropane	51.0	
591-78-6	2-Hexanone	249	
124-48-1	Dibromochloromethane	47.3	
106-93-4	1,2-Dibromoethane	51.7	
108-90-7	Chlorobenzene	49.4	
630-20-6	1,1,1,2-Tetrachloroethane	49.8	
100-41-4	Ethylbenzene	49.5	
7816-60-0	m&p-Xylene	101	
95-47-6	o-Xylene	49.2	
100-42-5	Styrene	51.0	
75-25-2	Bromoform	46.3	
98-82-8	Isopropylbenzene	49.2	
----------	trans-1,4-Dichloro-2-butene	166	
108-86-1	Bromobenzene	48.7	
79-34-5	1,1,2,2-Tetrachloroethane	49.2	
96-18-4	1,2,3-Trichloropropane	83.4	
103-65-1	n-Propylbenzene	51.0	
95-49-8	2-Chlorotoluene	51.0	
106-43-4	4-Chlorotoluene	50.9	
108-67-8	1,3,5-Trimethylbenzene	51.0	
98-06-6	tert-Butylbenzene	42.3	
95-63-6	1,2,4-Trimethylbenzene	47.8	
135-98-8	sec-Butylbenzene	52.1	
541-73-1	1,3-Dichlorobenzene	49.9	
99-87-6	p-Isopropyltoluene	51.4	
106-46-7	1,4-Dichlorobenzene	49.8	
95-50-1	1,2-Dichlorobenzene	50.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

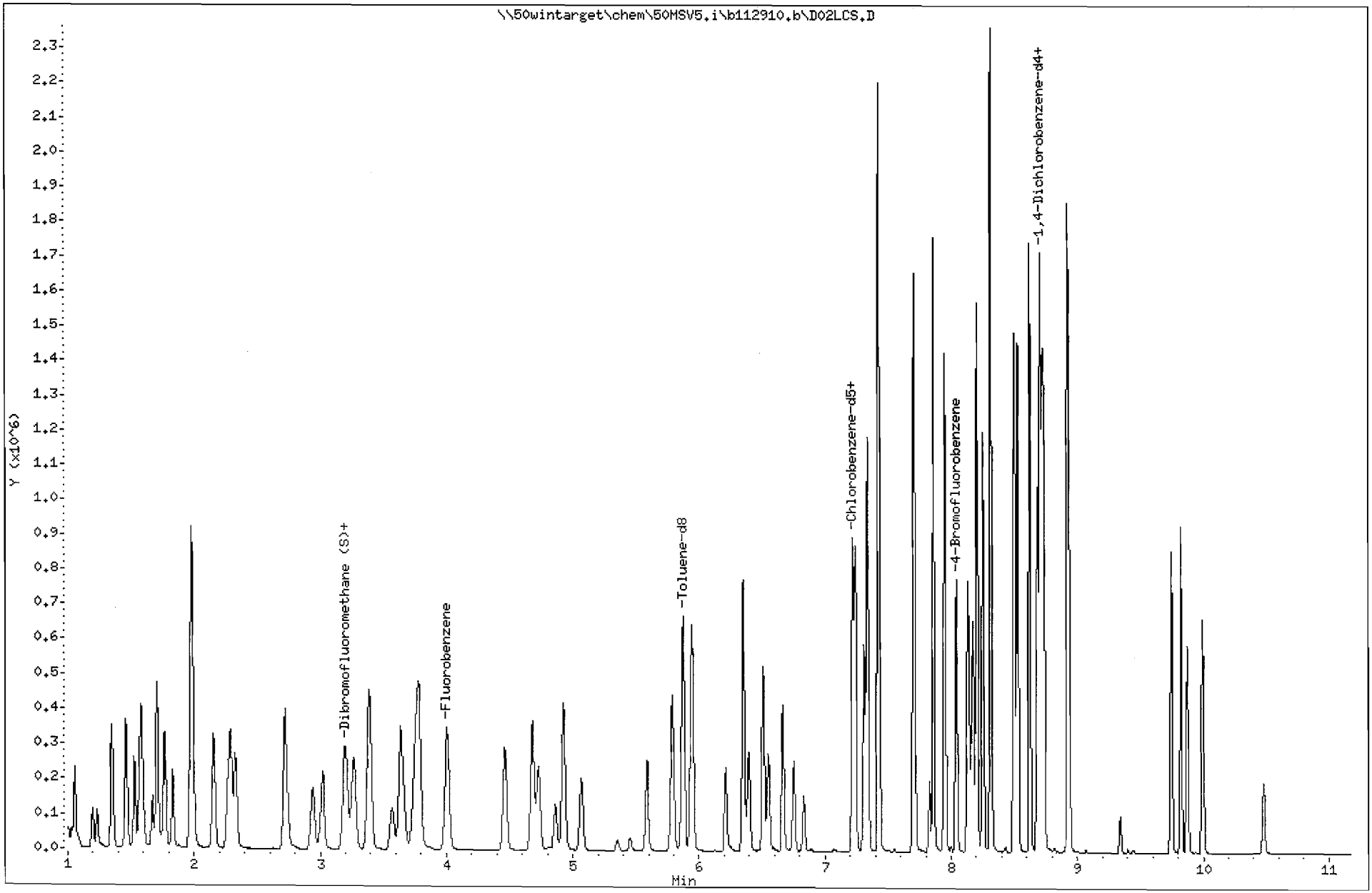
Client Name:
Lab Smp Id: 513155
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	53.4	
96-12-8	1,2-Dibromo-3-chloropropane	49.0	
120-82-1	1,2,4-Trichlorobenzene	47.3	
87-68-3	Hexachlorobutadiene	53.0	
91-20-3	Naphthalene	46.9	
87-61-6	1,2,3-Trichlorobenzene	47.5	
----------	2,methyl-naphthalene	27.6	
1868-53-7	Dibromofluoromethane (S)	50.5	
2037-26-5	Toluene-d8	50.3	
460-00-4	4-Bromofluorobenzene	49.1	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D02LCS.D
Date : 29-NOV-2010 21:11
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D02LCS.D

Date : 29-NOV-2010 21:11

Client ID: lcs

Instrument: 50MSV5.i

Sample Info: lcs

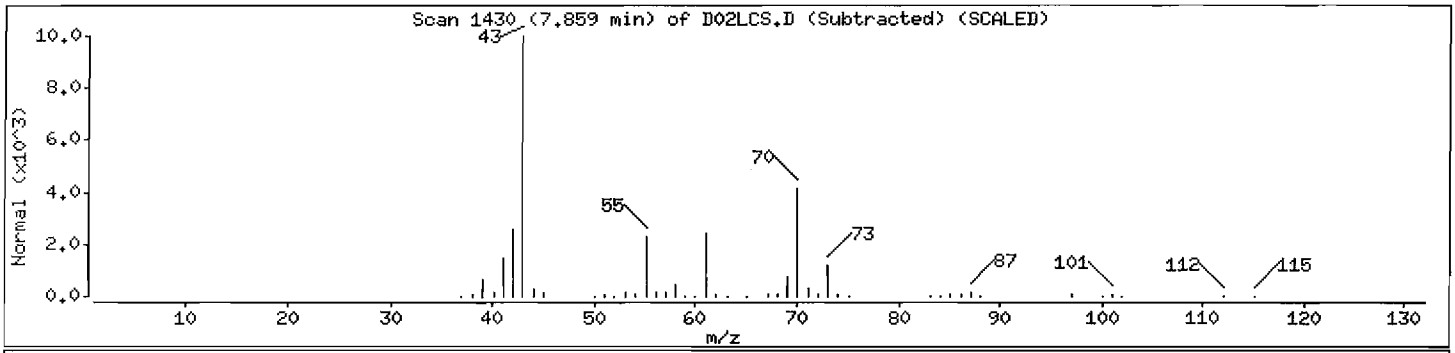
Purge Volume: 5.0

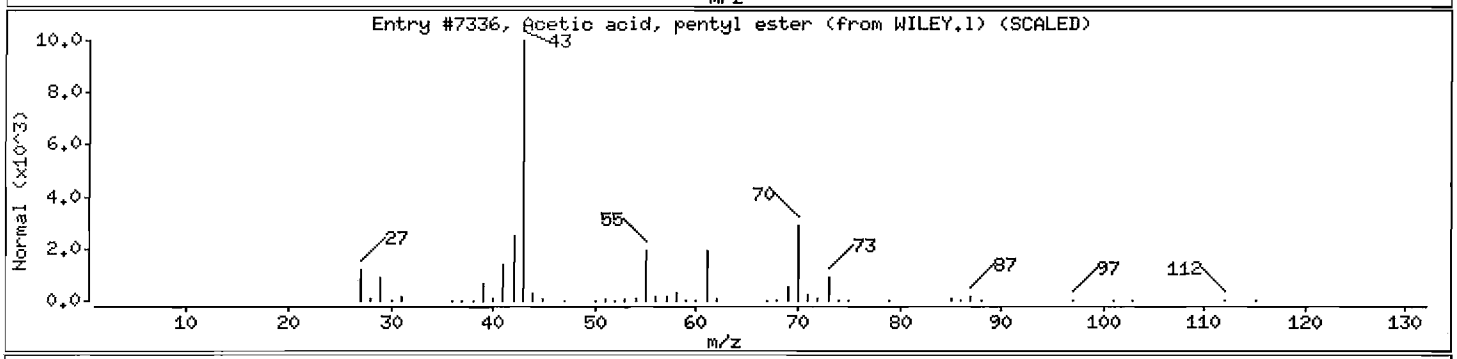
Operator: rsw

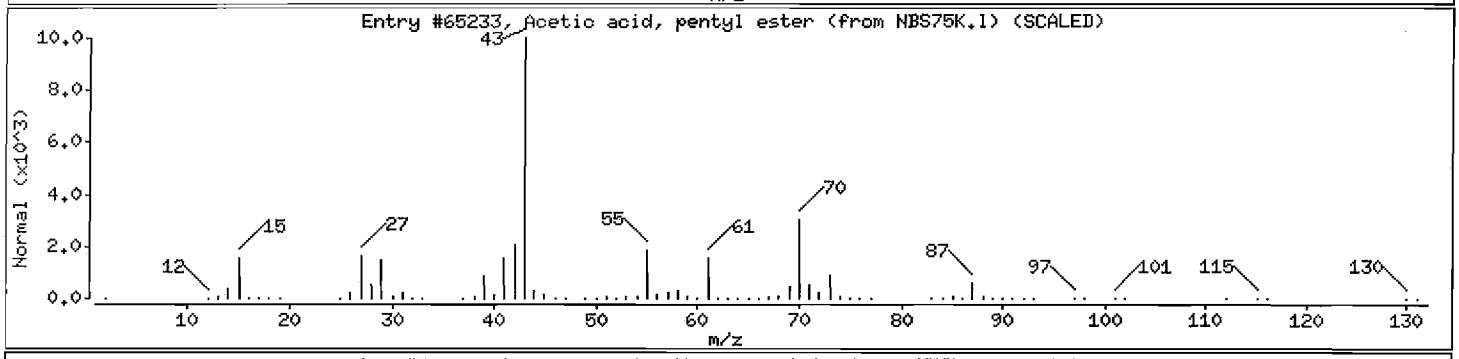
Column phase: DB-624

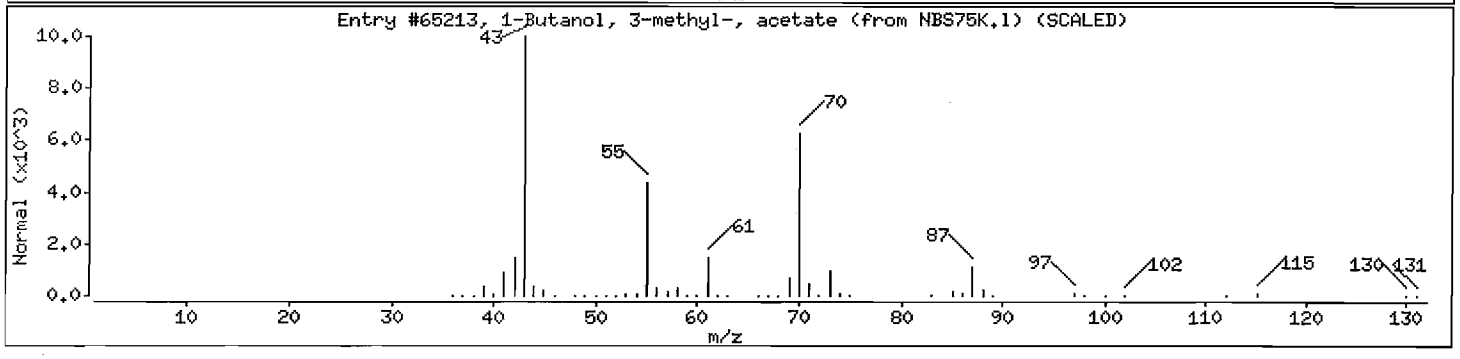
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H1402	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65233	83	C7H1402	130
1-Butanol, 3-methyl-, acetate	123-92-2	NBS75K.l	65213	64	C7H1402	130









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\D07.D
Lab Smp Id: 513156 Client Smp ID: ms5043637001
Inj Date : 30-NOV-2010 00:17
Operator : rsw Inst ID: 50MSV5.i
Smp Info : ms5043637001
Misc Info : 28552
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 03-Dec-2010 16:22 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 38 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.929	0.923	(0.232)	131660	45.6213	45.6
2	Chloromethane	50	1.002	1.002	(0.250)	95578	39.6711	39.7
3	Vinyl Chloride	62	1.049	1.049	(0.262)	86882	43.1172	43.1
4	Bromomethane	94	1.190	1.190	(0.297)	51695	47.0264	47.0
139	Methyl Acetate	43	1.765	1.765	(0.441)	30578	24.3801	24.4
5	Chloroethane	64	1.232	1.226	(0.308)	45095	47.5482	47.5
6	Trichlorofluoromethane	101	1.342	1.342	(0.335)	137244	39.3281	39.3
7	Diethyl ether	74	1.457	1.457	(0.364)	25970	42.6300	42.6
8	Acrolein	56	1.525	1.525	(0.381)	116101	938.854	939
9	1,1-Dichloroethene	96	1.582	1.577	(0.395)	60100	40.4692	40.5
10	1,1,2trichlorotrifluoroethane	101	1.572	1.566	(0.393)	59013	35.3526	35.4
11	Acetone	43	1.598	1.598	(0.399)	56117	215.963	216
12	Iodomethane	142	1.666	1.666	(0.416)	150236	77.9472	77.9
13	Carbon Disulfide	76	1.708	1.702	(0.427)	349524	73.1269	73.1
142	Acetonitrile	39	1.760	1.760	(0.440)	86502	682.019	682
14	allyl chloride	41	1.760	1.760	(0.440)	114157	68.3775	68.4
15	Methylene Chloride	84	1.828	1.828	(0.457)	61736	41.7398	41.7
16	Acrylonitrile	53	1.969	1.964	(0.492)	252222	902.429	902
17	tert-Butyl Alcohol	59	1.875	1.875	(0.468)	3511	65.2340	65.2(Q)
18	1,2-Dichloroethene (trans)	96	1.985	1.980	(0.496)	72135	40.6680	40.7
19	Methyl-tert-butyl ether	73	1.980	1.980	(0.495)	299306	87.8832	87.9
20	n-Hexane	57	2.152	2.147	(0.538)	107521	38.1126	38.1
21	1,1-Dichloroethane	63	2.262	2.257	(0.565)	139114	37.7258	37.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	23 Vinyl Acetate	43	2.288	2.283	(0.572)	305734	197.481	197
	143 Chloroprene	53	2.325	2.320	(0.581)	111070	31.5026	31.5
	24 2,2-Dichloropropane	77	2.717	2.712	(0.679)	65776	36.4052	36.4
	25 1,2-Dichloroethene (cis)	96	2.717	2.712	(0.679)	84140	43.2995	43.3
	26 2-Butanone	43	2.733	2.728	(0.683)	104309	226.518	226
	144 Methacrylonitrile	41	2.932	2.926	(0.732)	25430	205.693	206
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	77660	43.3829	43.4
	29 Bromochloromethane	49	2.942	2.937	(0.735)	51468	45.7652	45.8
	30 Tetrahydrofuran	42	2.994	2.989	(0.748)	14310	21.2898	21.3(R)
	31 Chloroform	83	3.015	3.010	(0.753)	144961	37.8934	37.9
$	32 Dibromofluoromethane (S)	113	3.183	3.177	(0.795)	102224	49.4875	49.5
	33 1,1,1-Trichloroethane	97	3.204	3.198	(0.800)	142013	38.2870	38.3
	35 Carbon Tetrachloride	117	3.387	3.381	(0.846)	124578	37.6092	37.6
	36 1,1-Dichloropropene	75	3.387	3.381	(0.846)	108643	37.7438	37.7
	37 Isobutyl alcohol	43	3.779	3.742	(0.944)	462842	335.187	335(QR)
	140 Cyclohexane	56	3.261	3.256	(0.815)	108964	33.1615	33.2
	38 Benzene	78	3.633	3.627	(0.907)	276179	39.2724	39.3
	39 1,2-Dichloroethane	62	3.664	3.659	(0.915)	101917	41.5896	41.6
	138 2,2,4-Trimethylpentane	57	3.753	3.747	(0.937)	298954	40.3714	40.4
	141 Methylcyclohexane	55	4.679	4.678	(1.168)	101564	34.2159	34.2
*	40 Fluorobenzene	96	4.004	3.999	(1.000)	382484	50.0000	
	41 Trichloroethene	95	4.459	4.454	(1.114)	80340	36.3759	36.4
	42 1,2-Dichloropropane	63	4.726	4.726	(1.180)	76707	39.9262	39.9
	43 Dibromomethane	93	4.862	4.862	(1.214)	43405	42.3758	42.4
	44 Methyl methacrylate	69	4.924	4.924	(1.230)	126183	144.797	145
	45 Bromodichloromethane	83	5.066	5.060	(1.265)	112401	39.9640	40.0
	145 1,4-Dioxane	88	4.914	4.919	(1.227)	10558	929.897	930(Q)
	47 cis-1,3-Dichloropropene	75	5.589	5.583	(0.774)	114010	38.5062	38.5
	48 4-Methyl-2-Pentanone	43	5.787	5.787	(0.802)	249243	206.388	206
$	49 Toluene-d8	98	5.871	5.866	(0.813)	414321	49.5689	49.6
	50 Toluene	91	5.944	5.939	(0.823)	319906	36.0019	36.0
	51 trans-1,3-Dichloropropene	75	6.211	6.211	(0.860)	95042	36.0958	36.1
	52 Ethyl Methacrylate	69	6.352	6.347	(0.880)	282079	158.806	159
	53 1,1,2-Trichloroethane	83	6.394	6.394	(0.886)	51200	41.9648	42.0
	54 Tetrachloroethene	166	6.509	6.509	(0.901)	81945	28.5233	28.5
	55 1,3-Dichloropropane	76	6.551	6.551	(0.907)	108617	43.1613	43.2
	56 2-Hexanone	43	6.666	6.661	(0.923)	184818	214.392	214
	57 Dibromochloromethane	129	6.750	6.750	(0.935)	83052	39.0517	39.0
	58 1,2-Dibromoethane	107	6.833	6.828	(0.946)	64885	42.8313	42.8
*	59 Chlorobenzene-d5	117	7.221	7.215	(1.000)	352315	50.0000	
	60 Chlorobenzene	112	7.241	7.241	(1.003)	234766	35.2860	35.3
	61 1,1,1,2-Tetrachloroethane	131	7.315	7.309	(1.013)	88838	38.8395	38.8
	62 Ethylbenzene	106	7.336	7.335	(1.016)	122657	33.1696	33.2
	63 m&p-Xylene	106	7.425	7.424	(1.028)	284841	65.0314	65.0
	65 o-Xylene	106	7.702	7.696	(1.067)	151109	33.7665	33.8
	66 Styrene	104	7.712	7.712	(1.068)	210614	29.8586	29.8
	67 Bromoform	173	7.827	7.827	(0.897)	46659	38.5305	38.5
	68 Isopropylbenzene	105	7.948	7.947	(1.101)	376344	30.4731	30.5
	69 trans-1,4-Dichloro-2-butene	53	8.178	8.172	(1.133)	72583	141.238	141(Q)
$	70 4-Bromofluorobenzene	95	8.042	8.036	(1.114)	177843	50.2798	50.3
	71 Bromobenzene	77	8.131	8.125	(1.126)	144789	34.3272	34.3
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.933)	82502	40.8170	40.8
	73 1,2,3-Trichloropropane	75	8.178	8.162	(0.938)	155574	70.0067	70.0
	74 n-Propylbenzene	91	8.204	8.204	(0.941)	431369	29.5656	29.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
75	2-Chlorotoluene	91	8.251	8.251	(0.946)	279090	32.6619	32.7
76	4-Chlorotoluene	126	8.319	8.313	(0.954)	91722	31.5629	31.6
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	282331	27.6164	27.6
78	tert-Butylbenzene	119	8.502	8.497	(0.975)	285623	24.6321	24.6
79	1,2,4-Trimethylbenzene	105	8.528	8.523	(0.978)	288345	25.9775	26.0
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	402290	28.1921	28.2
81	1,3-Dichlorobenzene	146	8.685	8.680	(0.996)	184104	31.8516	31.8
* 82	1,4-Dichlorobenzene-d4	152	8.722	8.716	(1.000)	201783	50.0000	
83	p-Isopropyltoluene	119	8.706	8.701	(0.998)	318771	26.6767	26.7
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.001)	178537	31.1622	31.2
85	1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	176662	33.9562	34.0
86	n-Butylbenzene	91	8.926	8.920	(1.023)	268498	25.1284	25.1
87	1,2-Dibromo-3-chloropropane	155	9.344	9.339	(1.071)	12522	41.4630	41.5
88	1,2,4-Trichlorobenzene	180	9.752	9.747	(1.118)	105122	29.4848	29.5
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	51261	20.9675	21.0
90	Naphthalene	128	9.877	9.872	(1.133)	239098	34.9554	35.0
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.146)	98565	31.4994	31.5
92	2,methyl-naphthalene	142	10.484	10.484	(1.202)	43680	14.6077	14.6(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: D07.D
Lab Smp Id: 513156
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: ms5043637001
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	399840	199920	799680	382484	-4.34
59 Chlorobenzene-d5	369530	184765	739060	352315	-4.66
82 1,4-Dichlorobenze	212670	106335	425340	201783	-5.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.00	3.50	4.50	4.00	0.14
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.08
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b112910.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 513156
Client Smp ID: ms5043637001
Level: LOW
Operator: rsw
Data Type: MS DATA
SampleType: MS
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

	SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	45.6	91.24	30-163
2	Chloromethane	50.0	39.7	79.34	36-136
3	Vinyl Chloride	50.0	43.1	86.23	51-144
4	Bromomethane	50.0	47.0	94.05	30-170
5	Chloroethane	50.0	47.5	95.10	54-157
6	Trichlorofluoromet	50.0	39.3	78.66	53-162
28	1,2-dichlorotriflu	50.0	43.4	86.77	50-150
7	Diethyl ether	50.0	42.6	85.26	70-130
8	Acrolein	1000	939	93.89	30-170
9	1,1-Dichloroethene	50.0	40.5	80.94	55-140
10	1,1,2trichlorotrif	50.0	35.4	70.71	50-150
11	Acetone	250	216	86.39	30-170
12	Iodomethane	100	77.9	77.95	28-168
13	Carbon Disulfide	100	73.1	73.13	46-162
139	Methyl Acetate	50.0	24.4	48.76	40-182
14	allyl chloride	100	68.4	68.38	39-155
15	Methylene Chloride	50.0	41.7	83.48	46-154
16	Acrylonitrile	1000	902	90.24	66-137
27	Propionitrile	50.0	0.000	*	50-150
17	tert-Butyl Alcohol	100	65.2	65.23	50-150
18	1,2-Dichloroethene	50.0	40.7	81.34	60-137
19	Methyl-tert-butyl	100	87.9	87.88	52-156
20	n-Hexane	50.0	38.1	76.23	32-176
21	1,1-Dichloroethane	50.0	37.7	75.45	68-139
23	Vinyl Acetate	200	197	98.74	24-132
25	1,2-Dichloroethene	50.0	43.3	86.60	65-132
24	2,2-Dichloropropan	50.0	36.4	72.81	35-157
26	2-Butanone	250	226	90.61	62-132
29	Bromochloromethane	50.0	45.8	91.53	65-157
30	Tetrahydrofuran	50.0	21.3	42.58*	50-150
31	Chloroform	50.0	37.9	75.79	67-134
33	1,1,1-Trichloroeth	50.0	38.3	76.57	64-143
140	Cyclohexane	50.0	33.2	66.32	39-167
37	Isobutyl alcohol	50.0	335	670.37*	50-150
36	1,1-Dichloropropen	50.0	37.7	75.49	66-140
35	Carbon Tetrachlori	50.0	37.6	75.22	54-145
38	Benzene	50.0	39.3	78.54	63-141
39	1,2-Dichloroethane	50.0	41.6	83.18	63-148
41	Trichloroethene	50.0	36.4	72.75	61-137
141	Methylcyclohexane	50.0	34.2	68.43	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	39.9	79.85	70-136
43 Dibromomethane	50.0	42.4	84.75	67-144
44 Methyl methacrylat	200	145	72.40	50-150
45 Bromodichlorometha	50.0	40.0	79.93	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	38.5	77.01	46-121
48 4-Methyl-2-Pentano	250	206	82.56	57-135
50 Toluene	50.0	36.0	72.00	59-142
51 trans-1,3-Dichloro	50.0	36.1	72.19	43-117
52 Ethyl Methacrylate	200	159	79.40	52-140
53 1,1,2-Trichloroeth	50.0	42.0	83.93	71-143
54 Tetrachloroethene	50.0	28.5	57.05	25-146
55 1,3-Dichloropropan	50.0	43.2	86.32	65-133
56 2-Hexanone	250	214	85.76	61-141
57 Dibromochlorometha	50.0	39.0	78.10	64-124
58 1,2-Dibromoethane	50.0	42.8	85.66	67-134
60 Chlorobenzene	50.0	35.3	70.57	56-133
61 1,1,1,2-Tetrachlor	50.0	38.8	77.68	55-131
62 Ethylbenzene	50.0	33.2	66.34	44-151
63 m&p-Xylene	100	65.0	65.03	41-153
65 o-Xylene	50.0	33.8	67.53	52-139
66 Styrene	50.0	29.8	59.72	38-141
67 Bromoform	50.0	38.5	77.06	58-124
68 Isopropylbenzene	50.0	30.5	60.95	40-148
69 trans-1,4-Dichloro	200	141	70.62	44-139
72 1,1,2,2-Tetrachlor	50.0	40.8	81.63	64-142
71 Bromobenzene	50.0	34.3	68.65	57-128
73 1,2,3-Trichloropro	100	70.0	70.01	33-140
74 n-Propylbenzene	50.0	29.6	59.13	40-148
75 2-Chlorotoluene	50.0	32.7	65.32	44-143
76 4-Chlorotoluene	50.0	31.6	63.13	43-140
77 1,3,5-Trimethylben	50.0	27.6	55.23	39-145
78 tert-Butylbenzene	50.0	24.6	49.26	32-133
79 1,2,4-Trimethylben	50.0	26.0	51.95	39-146
80 sec-Butylbenzene	50.0	28.2	56.38	38-150
81 1,3-Dichlorobenzen	50.0	31.8	63.70	40-143
83 p-Isopropyltoluene	50.0	26.7	53.35	34-146
84 1,4-Dichlorobenzen	50.0	31.2	62.32	38-142
86 n-Butylbenzene	50.0	25.1	50.26	27-153
85 1,2-Dichlorobenzen	50.0	34.0	67.91	48-137
88 1,2,4-Trichloroben	50.0	29.5	58.97	39-146
91 1,2,3-Trichloroben	50.0	31.5	63.00	33-140
87 1,2-Dibromo-3-chlo	50.0	41.5	82.93	39-140
89 Hexachlorobutadien	50.0	21.0	41.94	30-145
90 Naphthalene	50.0	35.0	69.91	44-138
92 2,methyl-naphthale	50.0	14.6	29.22*	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.5	98.97	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	49.6	99.14	80-116
$ 70 4-Bromofluorobenze	50.0	50.3	100.56	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 513156
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: ms5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	45.6	
74-87-3	Chloromethane	39.7	
75-01-4	Vinyl Chloride	43.1	
74-83-9	Bromomethane	47.0	
79-20-9	Methyl Acetate	24.4	
75-00-3	Chloroethane	47.5	
75-69-4	Trichlorofluoromethane	39.3	
60-29-7	Diethyl ether	42.6	
107-02-8	Acrolein	939	
75-35-4	1,1-Dichloroethene	40.5	
76-13-1	1,1,2trichlorotrifluoroethan	35.4	
67-64-1	Acetone	216	
----------	Iodomethane	77.9	
75-15-0	Carbon Disulfide	73.1	
75-05-8	Acetonitrile	682	
107-05-1	allyl chloride	68.4	
75-09-2	Methylene Chloride	41.7	
107-13-1	Acrylonitrile	902	
75-65-0	tert-Butyl Alcohol	65.2	
156-60-5	1,2-Dichloroethene (trans)	40.7	
1634-04-4	Methyl-tert-butyl ether	87.9	
----------	n-Hexane	38.1	
75-34-3	1,1-Dichloroethane	37.7	
108-05-4	Vinyl Acetate	197	
126-99-8	Chloroprene	31.5	
594-20-7	2,2-Dichloropropane	36.4	
156-59-2	1,2-Dichloroethene (cis)	43.3	
78-93-3	2-Butanone	226	
126-98-7	Methacrylonitrile	206	
354-23-4	1,2-dichlorotrifluoroethane	43.4	
74-97-5	Bromochloromethane	45.8	
----------	Tetrahydrofuran	21.3	
67-66-3	Chloroform	37.9	
71-55-6	1,1,1-Trichloroethane	38.3	
56-23-5	Carbon Tetrachloride	37.6	
563-58-6	1,1-Dichloropropene	37.7	
78-83-1	Isobutyl alcohol	335	
110-82-7	Cyclohexane	33.2	
71-43-2	Benzene	39.3	
107-06-2	1,2-Dichloroethane	41.6	
540-84-1	2,2,4-Trimethylpentane	40.4	
108-82-7	Methylcyclohexane	34.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 513156
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: ms5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	36.4	
78-87-5	1,2-Dichloropropane	39.9	
74-95-3	Dibromomethane	42.4	
80-62-6	Methyl methacrylate	145	
75-27-4	Bromodichloromethane	40.0	
----------	1,4-Dioxane	930	
10061-01-5	cis-1,3-Dichloropropene	38.5	
108-10-1	4-Methyl-2-Pentanone	206	
108-88-3	Toluene	36.0	
10061-02-6	trans-1,3-Dichloropropene	36.1	
----------	Ethyl Methacrylate	159	
79-00-5	1,1,2-Trichloroethane	42.0	
127-18-4	Tetrachloroethene	28.5	
142-28-9	1,3-Dichloropropane	43.2	
591-78-6	2-Hexanone	214	
124-48-1	Dibromochloromethane	39.0	
106-93-4	1,2-Dibromoethane	42.8	
108-90-7	Chlorobenzene	35.3	
630-20-6	1,1,1,2-Tetrachloroethane	38.8	
100-41-4	Ethylbenzene	33.2	
7816-60-0	m&p-Xylene	65.0	
95-47-6	o-Xylene	33.8	
100-42-5	Styrene	29.8	
75-25-2	Bromoform	38.5	
98-82-8	Isopropylbenzene	30.5	
----------	trans-1,4-Dichloro-2-butene	141	
108-86-1	Bromobenzene	34.3	
79-34-5	1,1,2,2-Tetrachloroethane	40.8	
96-18-4	1,2,3-Trichloropropane	70.0	
103-65-1	n-Propylbenzene	29.6	
95-49-8	2-Chlorotoluene	32.7	
106-43-4	4-Chlorotoluene	31.6	
108-67-8	1,3,5-Trimethylbenzene	27.6	
98-06-6	tert-Butylbenzene	24.6	
95-63-6	1,2,4-Trimethylbenzene	26.0	
135-98-8	sec-Butylbenzene	28.2	
541-73-1	1,3-Dichlorobenzene	31.8	
99-87-6	p-Isopropyltoluene	26.7	
106-46-7	1,4-Dichlorobenzene	31.2	
95-50-1	1,2-Dichlorobenzene	34.0	
104-51-8	n-Butylbenzene	25.1	
96-12-8	1,2-Dibromo-3-chloropropane	41.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

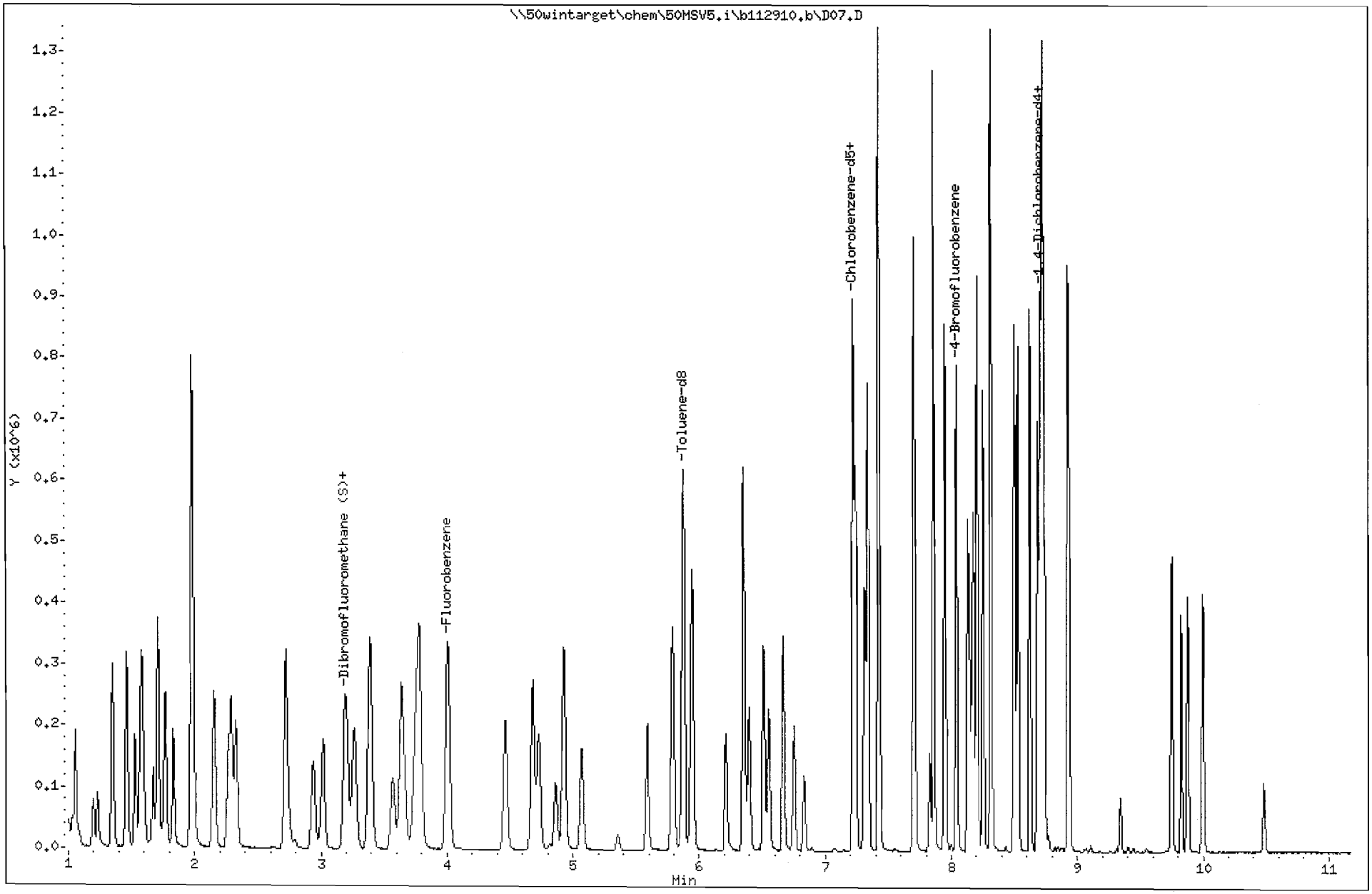
Client Name:
Lab Smp Id: 513156
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: ms5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
120-82-1	1,2,4-Trichlorobenzene	29.5	
87-68-3	Hexachlorobutadiene	21.0	
91-20-3	Naphthalene	35.0	
87-61-6	1,2,3-Trichlorobenzene	31.5	
----------	2,methyl-naphthalene	14.6	
1868-53-7	Dibromofluoromethane (S)	49.5	
2037-26-5	Toluene-d8	49.6	
460-00-4	4-Bromofluorobenzene	50.3	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D07.D
Date : 30-NOV-2010 00:17
Client ID: ms5043637001
Sample Info: ms5043637001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D07.D

Date : 30-NOV-2010 00:17

Client ID: ms5043637001

Instrument: 50MSV5.i

Sample Info: ms5043637001

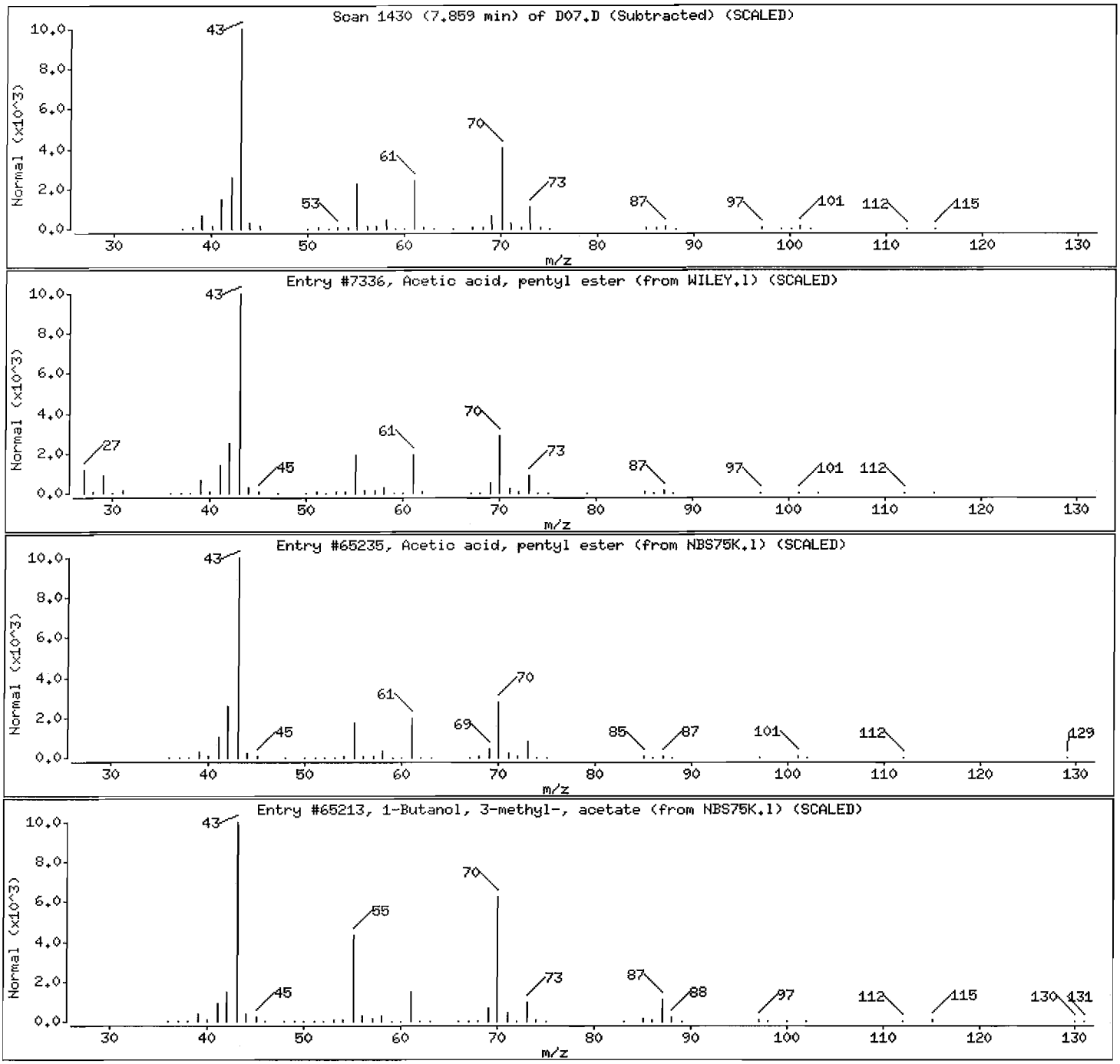
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H1402	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65235	83	C7H1402	130
1-Butanol, 3-methyl-, acetate	123-92-2	NBS75K.l	65213	45	C7H1402	130



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\D08.D
Lab Smp Id: 513157 Client Smp ID: msd5043637001
Inj Date : 30-NOV-2010 00:55
Operator : rsw Inst ID: 50MSV5.i
Smp Info : msd5043637001
Misc Info : 28552
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 03-Dec-2010 16:22 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 40 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	0.928	0.923	(0.232)	156365	65.2072	65.2
2 Chloromethane	50	1.002	1.002	(0.250)	117741	56.9742	57.0
3 Vinyl Chloride	62	1.049	1.049	(0.262)	106783	62.3613	62.4
4 Bromomethane	94	1.190	1.190	(0.297)	62058	65.8352	65.8
139 Methyl Acetate	43	1.765	1.765	(0.441)	33741	31.3631	31.4
5 Chloroethane	64	1.232	1.226	(0.308)	52813	66.4038	66.4
6 Trichlorofluoromethane	101	1.342	1.342	(0.335)	162584	55.8074	55.8
7 Diethyl ether	74	1.457	1.457	(0.364)	29330	56.1294	56.1
8 Acrolein	56	1.525	1.525	(0.381)	135425	1296.89	1300
9 1,1-Dichloroethene	96	1.582	1.577	(0.395)	71965	56.4945	56.5
10 1,1,2trichlorotrifluoroethane	101	1.567	1.566	(0.391)	71557	49.9759	50.0
11 Acetone	43	1.598	1.598	(0.399)	64926	293.954	294
12 Iodomethane	142	1.666	1.666	(0.416)	177502	106.069	106
13 Carbon Disulfide	76	1.708	1.702	(0.427)	408958	99.7502	99.8
142 Acetonitrile	39	1.760	1.760	(0.440)	106196	951.157	951
14 allyl chloride	41	1.760	1.760	(0.440)	140415	94.4794	94.5
15 Methylene Chloride	84	1.828	1.828	(0.457)	70137	56.0578	56.0
16 Acrylonitrile	53	1.969	1.964	(0.492)	290889	1213.37	1210
17 tert-Butyl Alcohol	59	1.875	1.875	(0.468)	3622	73.5101	73.5(Q)
18 1,2-Dichloroethene (trans)	96	1.985	1.980	(0.496)	83434	54.8384	54.8
19 Methyl-tert-butyl ether	73	1.980	1.980	(0.495)	343076	117.440	117
20 n-Hexane	57	2.152	2.147	(0.538)	127450	52.6684	52.7
21 1,1-Dichloroethane	63	2.262	2.257	(0.565)	164264	51.3034	51.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	23 Vinyl Acetate	43	2.288	2.283	(0.572)	355456	267.841	268 (R)
	143 Chloroprene	53	2.325	2.320	(0.581)	130843	43.2648	43.3
	24 2,2-Dichloropropane	77	2.712	2.712	(0.677)	73953	44.0818	44.1
	25 1,2-Dichloroethene (cis)	96	2.717	2.712	(0.679)	96603	57.9570	58.0
	26 2-Butanone	43	2.733	2.728	(0.683)	117325	297.034	297
	144 Methacrylonitrile	41	2.926	2.926	(0.731)	29050	273.940	274
	28 1,2-dichlorotrifluoroethane	67	1.457	1.457	(0.364)	91870	59.8315	59.8
	29 Bromochloromethane	49	2.937	2.937	(0.734)	59171	61.3397	61.3
	30 Tetrahydrofuran	42	2.994	2.989	(0.748)	16266	28.2129	28.2
	31 Chloroform	83	3.015	3.010	(0.753)	167578	51.0698	51.1
$	32 Dibromofluoromethane (S)	113	3.183	3.177	(0.795)	90217	50.9173	50.9
	33 1,1,1-Trichloroethane	97	3.204	3.198	(0.800)	166723	52.4027	52.4
	35 Carbon Tetrachloride	117	3.387	3.381	(0.846)	146482	51.5551	51.6
	36 1,1-Dichloropropene	75	3.387	3.381	(0.846)	126491	51.2316	51.2
	37 Isobutyl alcohol	43	3.779	3.742	(0.944)	531009	448.324	448 (QR)
	140 Cyclohexane	56	3.261	3.256	(0.815)	127376	45.1932	45.2
	38 Benzene	78	3.633	3.627	(0.907)	320079	53.0626	53.1
	39 1,2-Dichloroethane	62	3.664	3.659	(0.915)	117708	55.9988	56.0
	138 2,2,4-Trimethylpentane	57	3.753	3.747	(0.937)	343467	54.0741	54.1
	141 Methylcyclohexane	55	4.679	4.678	(1.168)	116401	45.7173	45.7
*	40 Fluorobenzene	96	4.004	3.999	(1.000)	328079	50.0000	
	41 Trichloroethene	95	4.459	4.454	(1.114)	92295	48.7186	48.7
	42 1,2-Dichloropropane	63	4.726	4.726	(1.180)	88403	53.6445	53.6
	43 Dibromomethane	93	4.862	4.862	(1.214)	49634	56.4927	56.5
	44 Methyl methacrylate	69	4.924	4.924	(1.230)	148836	198.082	198
	45 Bromodichloromethane	83	5.066	5.060	(1.265)	129973	53.7086	53.7
	145 1,4-Dioxane	88	4.914	4.919	(1.227)	12630	1296.86	1300 (Q)
	47 cis-1,3-Dichloropropene	75	5.589	5.583	(0.774)	133448	53.4760	53.5
	48 4-Methyl-2-Pentanone	43	5.787	5.787	(0.802)	286859	283.327	283
$	49 Toluene-d8	98	5.871	5.866	(0.813)	352901	50.3596	50.4
	50 Toluene	91	5.944	5.939	(0.823)	365424	49.0521	49.0
	51 trans-1,3-Dichloropropene	75	6.211	6.211	(0.860)	109094	48.0405	48.0
	52 Ethyl Methacrylate	69	6.352	6.347	(0.880)	325172	218.357	218
	53 1,1,2-Trichloroethane	83	6.394	6.394	(0.886)	58554	57.2439	57.2
	54 Tetrachloroethene	166	6.509	6.509	(0.901)	95304	39.5681	39.6
	55 1,3-Dichloropropane	76	6.551	6.551	(0.907)	125602	59.5320	59.5
	56 2-Hexanone	43	6.666	6.661	(0.923)	215193	297.748	298
	57 Dibromochloromethane	129	6.750	6.750	(0.935)	96782	54.2803	54.3
	58 1,2-Dibromoethane	107	6.833	6.828	(0.946)	75575	59.5049	59.5
*	59 Chlorobenzene-d5	117	7.220	7.215	(1.000)	295375	50.0000	
	60 Chlorobenzene	112	7.241	7.241	(1.003)	262105	46.9895	47.0
	61 1,1,1,2-Tetrachloroethane	131	7.309	7.309	(1.012)	102423	53.4109	53.4
	62 Ethylbenzene	106	7.336	7.335	(1.016)	140993	45.4782	45.5
	63 m&p-Xylene	106	7.424	7.424	(1.028)	328576	89.4775	89.5
	65 o-Xylene	106	7.702	7.696	(1.067)	174333	46.4658	46.5
	66 Styrene	104	7.712	7.712	(1.068)	251781	42.5758	42.6
	67 Bromoform	173	7.827	7.827	(0.897)	54709	50.0575	50.0
	68 Isopropylbenzene	105	7.947	7.947	(1.101)	428705	41.4045	41.4
	69 trans-1,4-Dichloro-2-butene	53	8.178	8.172	(1.133)	85847	197.641	198 (Q)
$	70 4-Bromofluorobenzene	95	8.042	8.036	(1.114)	152500	51.4261	51.4
	71 Bromobenzene	77	8.125	8.125	(1.125)	167062	47.2430	47.2
	72 1,1,2,2-Tetrachloroethane	83	8.141	8.141	(0.933)	95731	54.7146	54.7
	73 1,2,3-Trichloropropane	75	8.178	8.162	(0.938)	181119	94.1543	94.2
	74 n-Propylbenzene	91	8.204	8.204	(0.941)	494445	39.1499	39.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
75	2-Chlorotoluene	91	8.251	8.251	(0.946)	318146	43.0127	43.0
76	4-Chlorotoluene	126	8.319	8.313	(0.954)	105964	42.1246	42.1
77	1,3,5-Trimethylbenzene	105	8.308	8.308	(0.953)	331322	37.4397	37.4
78	tert-Butylbenzene	119	8.502	8.497	(0.975)	324171	32.2966	32.3
79	1,2,4-Trimethylbenzene	105	8.528	8.523	(0.978)	332336	34.5888	34.6
80	sec-Butylbenzene	105	8.622	8.622	(0.989)	458511	37.1203	37.1
81	1,3-Dichlorobenzene	146	8.685	8.680	(0.996)	211831	42.3381	42.3
* 82	1,4-Dichlorobenzene-d4	152	8.722	8.716	(1.000)	174667	50.0000	
83	p-Isopropyltoluene	119	8.706	8.701	(0.998)	362712	35.0663	35.1
84	1,4-Dichlorobenzene	146	8.732	8.732	(1.001)	208346	42.0106	42.0
85	1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	205968	45.7351	45.7
86	n-Butylbenzene	91	8.926	8.920	(1.023)	307060	33.1987	33.2
87	1,2-Dibromo-3-chloropropane	155	9.339	9.339	(1.071)	15267	57.2583	57.2
88	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.118)	125674	39.9852	40.0
89	Hexachlorobutadiene	225	9.825	9.825	(1.127)	58510	27.6480	27.6
90	Naphthalene	128	9.877	9.872	(1.133)	281609	45.6223	45.6
91	1,2,3-Trichlorobenzene	180	9.998	9.998	(1.146)	116739	41.6082	41.6
92	2,methyl-naphthalene	142	10.484	10.484	(1.202)	59073	22.8224	22.8 (R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: D08.D
Lab Smp Id: 513157
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: msd5043637001
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	399840	199920	799680	328079	-17.95
59 Chlorobenzene-d5	369530	184765	739060	295375	-20.07
82 1,4-Dichlorobenze	212670	106335	425340	174667	-17.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.00	3.50	4.50	4.00	0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.07
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b112910.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 513157
Client Smp ID: msd5043637001
Level: LOW
Operator: rsw
Data Type: MS DATA
SampleType: MSD
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

	SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	65.2	130.41	30-163
2	Chloromethane	50.0	57.0	113.95	36-136
3	Vinyl Chloride	50.0	62.4	124.72	51-144
4	Bromomethane	50.0	65.8	131.67	30-170
5	Chloroethane	50.0	66.4	132.81	54-157
6	Trichlorofluoromet	50.0	55.8	111.61	53-162
28	1,2-dichlorotriflu	50.0	59.8	119.66	50-150
7	Diethyl ether	50.0	56.1	112.26	70-130
8	Acrolein	1000	1300	129.69	30-170
9	1,1-Dichloroethene	50.0	56.5	112.99	55-140
10	1,1,2trichlorotrif	50.0	50.0	99.95	50-150
11	Acetone	250	294	117.58	30-170
12	Iodomethane	100	106	106.07	28-168
13	Carbon Disulfide	100	99.8	99.75	46-162
139	Methyl Acetate	50.0	31.4	62.73	40-182
14	allyl chloride	100	94.5	94.48	39-155
15	Methylene Chloride	50.0	56.0	112.12	46-154
16	Acrylonitrile	1000	1210	121.34	66-137
27	Propionitrile	50.0	0.000	*	50-150
17	tert-Butyl Alcohol	100	73.5	73.51	50-150
18	1,2-Dichloroethene	50.0	54.8	109.68	60-137
19	Methyl-tert-butyl	100	117	117.44	52-156
20	n-Hexane	50.0	52.7	105.34	32-176
21	1,1-Dichloroethane	50.0	51.3	102.61	68-139
23	Vinyl Acetate	200	268	133.92*	24-132
25	1,2-Dichloroethene	50.0	58.0	115.91	65-132
24	2,2-Dichloropropan	50.0	44.1	88.16	35-157
26	2-Butanone	250	297	118.81	62-132
29	Bromochloromethane	50.0	61.3	122.68	65-157
30	Tetrahydrofuran	50.0	28.2	56.43	50-150
31	Chloroform	50.0	51.1	102.14	67-134
33	1,1,1-Trichloroeth	50.0	52.4	104.81	64-143
140	Cyclohexane	50.0	45.2	90.39	39-167
37	Isobutyl alcohol	50.0	448	896.65*	50-150
36	1,1-Dichloropropen	50.0	51.2	102.46	66-140
35	Carbon Tetrachlori	50.0	51.6	103.11	54-145
38	Benzene	50.0	53.1	106.13	63-141
39	1,2-Dichloroethane	50.0	56.0	112.00	63-148
41	Trichloroethene	50.0	48.7	97.44	61-137
141	Methylcyclohexane	50.0	45.7	91.43	44-158

	SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42	1,2-Dichloropropan	50.0	53.6	107.29	70-136
43	Dibromomethane	50.0	56.5	112.99	67-144
44	Methyl methacrylat	200	198	99.04	50-150
45	Bromodichlorometha	50.0	53.7	107.42	63-135
46	2-Chloroethyl vin	100	0.000	*	50-150
47	cis-1,3-Dichloropr	50.0	53.5	106.95	46-121
48	4-Methyl-2-Pentano	250	283	113.33	57-135
50	Toluene	50.0	49.0	98.10	59-142
51	trans-1,3-Dichloro	50.0	48.0	96.08	43-117
52	Ethyl Methacrylate	200	218	109.18	52-140
53	1,1,2-Trichloroeth	50.0	57.2	114.49	71-143
54	Tetrachloroethene	50.0	39.6	79.14	25-146
55	1,3-Dichloropropan	50.0	59.5	119.06	65-133
56	2-Hexanone	250	298	119.10	61-141
57	Dibromochlorometha	50.0	54.3	108.56	64-124
58	1,2-Dibromoethane	50.0	59.5	119.01	67-134
60	Chlorobenzene	50.0	47.0	93.98	56-133
61	1,1,1,2-Tetrachlor	50.0	53.4	106.82	55-131
62	Ethylbenzene	50.0	45.5	90.96	44-151
63	m&p-Xylene	100	89.5	89.48	41-153
65	o-Xylene	50.0	46.5	92.93	52-139
66	Styrene	50.0	42.6	85.15	38-141
67	Bromoform	50.0	50.0	100.11	58-124
68	Isopropylbenzene	50.0	41.4	82.81	40-148
69	trans-1,4-Dichloro	200	198	98.82	44-139
72	1,1,2,2-Tetrachlor	50.0	54.7	109.43	64-142
71	Bromobenzene	50.0	47.2	94.49	57-128
73	1,2,3-Trichloropro	100	94.2	94.15	33-140
74	n-Propylbenzene	50.0	39.1	78.30	40-148
75	2-Chlorotoluene	50.0	43.0	86.03	44-143
76	4-Chlorotoluene	50.0	42.1	84.25	43-140
77	1,3,5-Trimethylben	50.0	37.4	74.88	39-145
78	tert-Butylbenzene	50.0	32.3	64.59	32-133
79	1,2,4-Trimethylben	50.0	34.6	69.18	39-146
80	sec-Butylbenzene	50.0	37.1	74.24	38-150
81	1,3-Dichlorobenzen	50.0	42.3	84.68	40-143
83	p-Isopropyltoluene	50.0	35.1	70.13	34-146
84	1,4-Dichlorobenzen	50.0	42.0	84.02	38-142
86	n-Butylbenzene	50.0	33.2	66.40	27-153
85	1,2-Dichlorobenzen	50.0	45.7	91.47	48-137
88	1,2,4-Trichloroben	50.0	40.0	79.97	39-146
91	1,2,3-Trichloroben	50.0	41.6	83.22	33-140
87	1,2-Dibromo-3-chlo	50.0	57.2	114.52	39-140
89	Hexachlorobutadien	50.0	27.6	55.30	30-145
90	Naphthalene	50.0	45.6	91.24	44-138
92	2,methyl-naphthale	50.0	22.8	45.64*	50-150

	SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32	Dibromofluorometha	50.0	50.9	101.83	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	50.4	100.72	80-116
$ 70 4-Bromofluorobenze	50.0	51.4	102.85	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 513157
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: msd5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	65.2	
74-87-3	Chloromethane	57.0	
75-01-4	Vinyl Chloride	62.4	
74-83-9	Bromomethane	65.8	
79-20-9	Methyl Acetate	31.4	
75-00-3	Chloroethane	66.4	
75-69-4	Trichlorofluoromethane	55.8	
60-29-7	Diethyl ether	56.1	
107-02-8	Acrolein	1300	
75-35-4	1,1-Dichloroethene	56.5	
76-13-1	1,1,2trichlorotrifluoroethan	50.0	
67-64-1	Acetone	294	
----------	Iodomethane	106	
75-15-0	Carbon Disulfide	99.8	
75-05-8	Acetonitrile	951	
107-05-1	allyl chloride	94.5	
75-09-2	Methylene Chloride	56.0	
107-13-1	Acrylonitrile	1210	
75-65-0	tert-Butyl Alcohol	73.5	
156-60-5	1,2-Dichloroethene (trans)	54.8	
1634-04-4	Methyl-tert-butyl ether	117	
----------	n-Hexane	52.7	
75-34-3	1,1-Dichloroethane	51.3	
108-05-4	Vinyl Acetate	268	
126-99-8	Chloroprene	43.3	
594-20-7	2,2-Dichloropropane	44.1	
156-59-2	1,2-Dichloroethene (cis)	58.0	
78-93-3	2-Butanone	297	
126-98-7	Methacrylonitrile	274	
354-23-4	1,2-dichlorotrifluoroethane	59.8	
74-97-5	Bromochloromethane	61.3	
----------	Tetrahydrofuran	28.2	
67-66-3	Chloroform	51.1	
71-55-6	1,1,1-Trichloroethane	52.4	
56-23-5	Carbon Tetrachloride	51.6	
563-58-6	1,1-Dichloropropene	51.2	
78-83-1	Isobutyl alcohol	448	
110-82-7	Cyclohexane	45.2	
71-43-2	Benzene	53.1	
107-06-2	1,2-Dichloroethane	56.0	
540-84-1	2,2,4-Trimethylpentane	54.1	
108-82-7	Methylcyclohexane	45.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 513157
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: msd5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	48.7	
78-87-5	1,2-Dichloropropane	53.6	
74-95-3	Dibromomethane	56.5	
80-62-6	Methyl methacrylate	198	
75-27-4	Bromodichloromethane	53.7	
----------	1,4-Dioxane	1300	
10061-01-5	cis-1,3-Dichloropropene	53.5	
108-10-1	4-Methyl-2-Pentanone	283	
108-88-3	Toluene	49.0	
10061-02-6	trans-1,3-Dichloropropene	48.0	
----------	Ethyl Methacrylate	218	
79-00-5	1,1,2-Trichloroethane	57.2	
127-18-4	Tetrachloroethene	39.6	
142-28-9	1,3-Dichloropropane	59.5	
591-78-6	2-Hexanone	298	
124-48-1	Dibromochloromethane	54.3	
106-93-4	1,2-Dibromoethane	59.5	
108-90-7	Chlorobenzene	47.0	
630-20-6	1,1,1,2-Tetrachloroethane	53.4	
100-41-4	Ethylbenzene	45.5	
7816-60-0	m&p-Xylene	89.5	
95-47-6	o-Xylene	46.5	
100-42-5	Styrene	42.6	
75-25-2	Bromoform	50.0	
98-82-8	Isopropylbenzene	41.4	
----------	trans-1,4-Dichloro-2-butene	198	
108-86-1	Bromobenzene	47.2	
79-34-5	1,1,2,2-Tetrachloroethane	54.7	
96-18-4	1,2,3-Trichloropropane	94.2	
103-65-1	n-Propylbenzene	39.1	
95-49-8	2-Chlorotoluene	43.0	
106-43-4	4-Chlorotoluene	42.1	
108-67-8	1,3,5-Trimethylbenzene	37.4	
98-06-6	tert-Butylbenzene	32.3	
95-63-6	1,2,4-Trimethylbenzene	34.6	
135-98-8	sec-Butylbenzene	37.1	
541-73-1	1,3-Dichlorobenzene	42.3	
99-87-6	p-Isopropyltoluene	35.1	
106-46-7	1,4-Dichlorobenzene	42.0	
95-50-1	1,2-Dichlorobenzene	45.7	
104-51-8	n-Butylbenzene	33.2	
96-12-8	1,2-Dibromo-3-chloropropane	57.2	

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TARGET COMPOUNDS

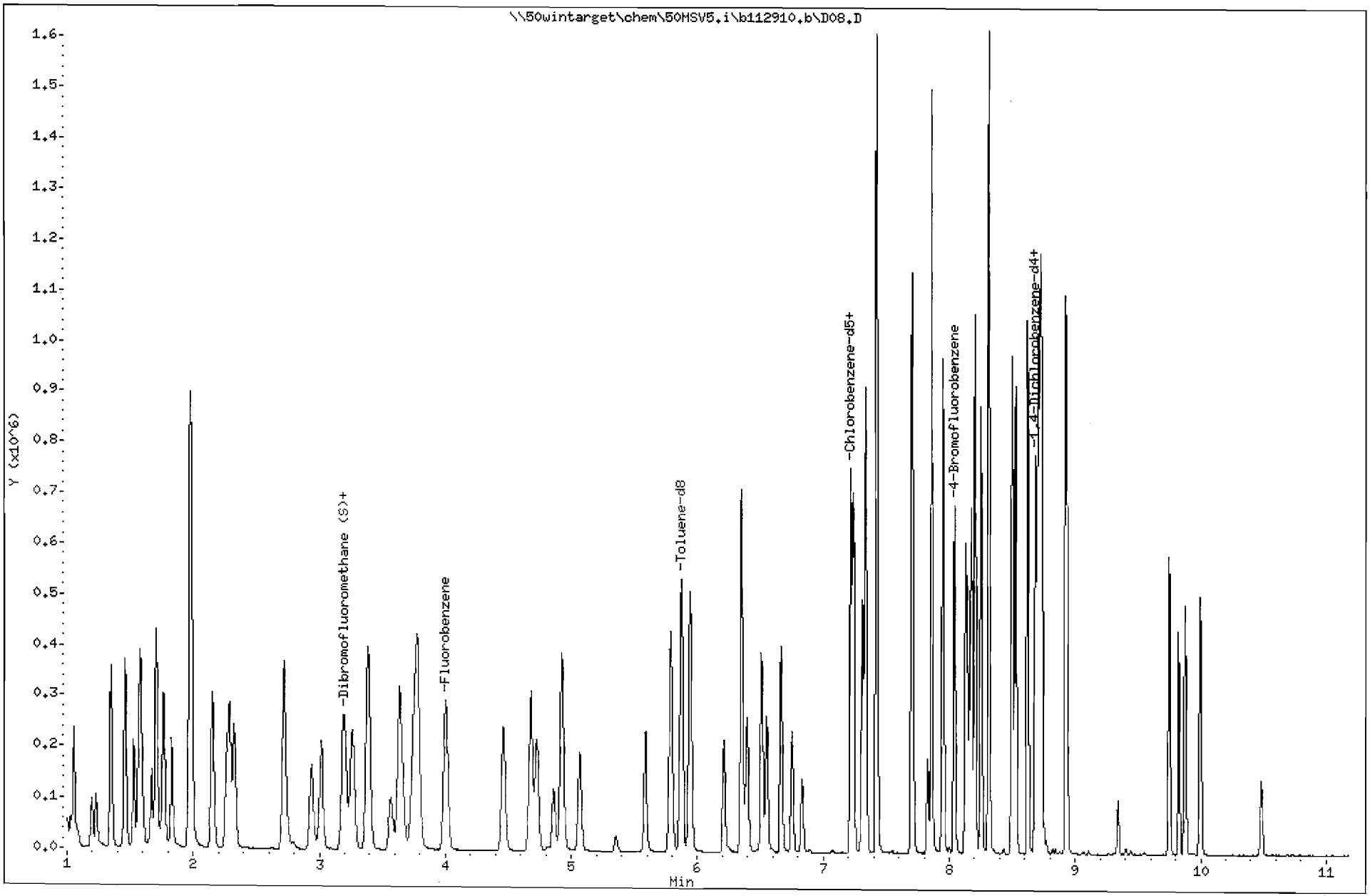
Client Name:
Lab Smp Id: 513157
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: msd5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
120-82-1	1,2,4-Trichlorobenzene	40.0	
87-68-3	Hexachlorobutadiene	27.6	
91-20-3	Naphthalene	45.6	
87-61-6	1,2,3-Trichlorobenzene	41.6	
----------	2,methyl-naphthalene	22.8	
1868-53-7	Dibromofluoromethane (S)	50.9	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	51.4	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D08.D
Date : 30-NOV-2010 00:55
Client ID: msd5043637001
Sample Info: msd5043637001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D08.D

Date : 30-NOV-2010 00:55

Client ID: msd5043637001

Instrument: 50MSV5.i

Sample Info: msd5043637001

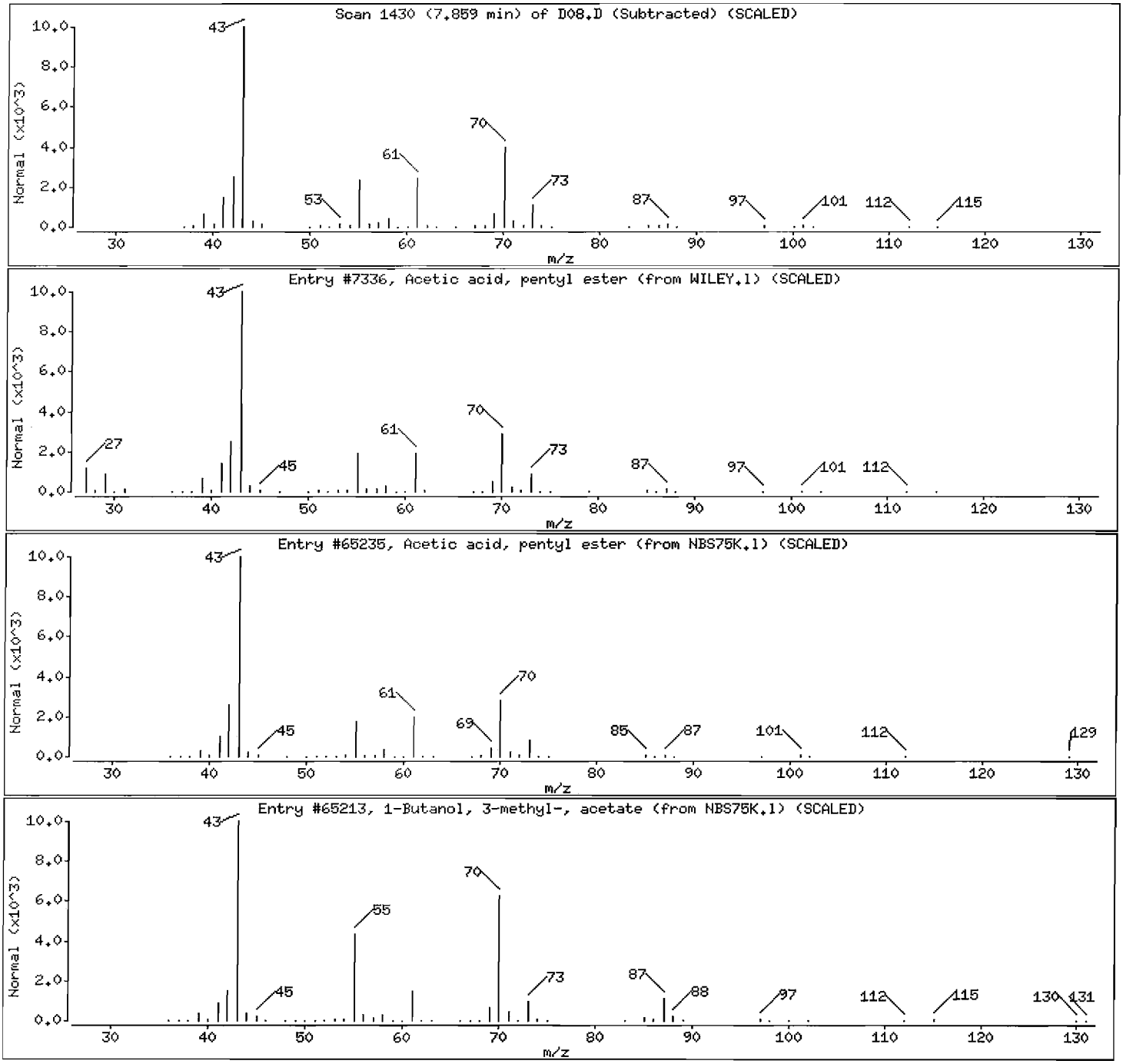
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H1402	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65235	83	C7H1402	130
1-Butanol, 3-methyl-, acetate	123-92-2	NBS75K.l	65213	59	C7H1402	130



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www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Section 5: Method Blank Data

** Method Blanks*

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\D03MB.D
Lab Smp Id: 513154 Client Smp ID: mb
Inj Date : 29-NOV-2010 21:48
Operator : rsw Inst ID: 50MSV5.i
Smp Info : mb
Misc Info : 28552
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 03-Dec-2010 16:22 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 30 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	15 Methylene Chloride	84	1.828	1.828	(0.457)	6514	2.32958	2.33
$	32 Dibromofluoromethane (S)	113	3.177	3.177	(0.794)	101958	50.0024	50.0
*	40 Fluorobenzene	96	4.004	3.999	(1.000)	377560	50.0000	
$	49 Toluene-d8	98	5.871	5.866	(0.813)	401831	49.8081	49.8
	50 Toluene	91	5.944	5.939	(0.823)	2413	0.28135	0.281
*	59 Chlorobenzene-d5	117	7.220	7.215	(1.000)	340053	50.0000	
	62 Ethylbenzene	106	7.335	7.335	(1.016)	1428	0.40009	0.400
	63 m&p-Xylene	106	7.424	7.424	(1.028)	5894	1.39417	1.39
	65 o-Xylene	106	7.702	7.696	(1.067)	3051	0.70636	0.706
	66 Styrene	104	7.712	7.712	(1.068)	4762	0.69945	0.699
	68 Isopropylbenzene	105	7.947	7.947	(1.101)	6095	0.51132	0.511
$	70 4-Bromofluorobenzene	95	8.042	8.036	(1.114)	167979	49.2035	49.2
	71 Bromobenzene	77	8.125	8.125	(1.125)	2430	0.59689	0.597
	74 n-Propylbenzene	91	8.204	8.204	(0.941)	8887	0.64860	0.648
	75 2-Chlorotoluene	91	8.251	8.251	(0.946)	5738	0.71506	0.715
	76 4-Chlorotoluene	126	8.319	8.313	(0.954)	2071	0.75887	0.759
	77 1,3,5-Trimethylbenzene	105	8.314	8.308	(0.953)	7941	0.82712	0.827
	78 tert-Butylbenzene	119	8.502	8.497	(0.975)	5167	0.47449	0.474
	79 1,2,4-Trimethylbenzene	105	8.528	8.523	(0.978)	8039	0.77120	0.771
	80 sec-Butylbenzene	105	8.622	8.622	(0.989)	7185	0.53616	0.536
	81 1,3-Dichlorobenzene	146	8.685	8.680	(0.996)	4307	0.79346	0.793
*	82 1,4-Dichlorobenzene-d4	152	8.721	8.716	(1.000)	189497	50.0000	
	83 p-Isopropyltoluene	119	8.706	8.701	(0.998)	7166	0.63858	0.638

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
84 1,4-Dichlorobenzene	146	8.732	8.732	(1.001)	4488	0.83413	0.834(Q)
85 1,2-Dichlorobenzene	146	8.936	8.936	(1.025)	4217	0.86310	0.863
86 n-Butylbenzene	91	8.925	8.920	(1.023)	5203	0.51851	0.518

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: D03MB.D
Lab Smp Id: 513154
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	399840	199920	799680	377560	-5.57
59 Chlorobenzene-d5	369530	184765	739060	340053	-7.98
82 1,4-Dichlorobenze	212670	106335	425340	189497	-10.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.00	3.50	4.50	4.00	0.13
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.07
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b112910.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 513154
Client Smp ID: mb
Level: LOW
Operator: rsw
Data Type: MS DATA
SampleType: BLANK
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	50.0	100.00	80-123
$ 49 Toluene-d8	50.0	49.8	99.62	80-116
$ 70 4-Bromofluorobenze	50.0	49.2	98.41	70-126

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TARGET COMPOUNDS

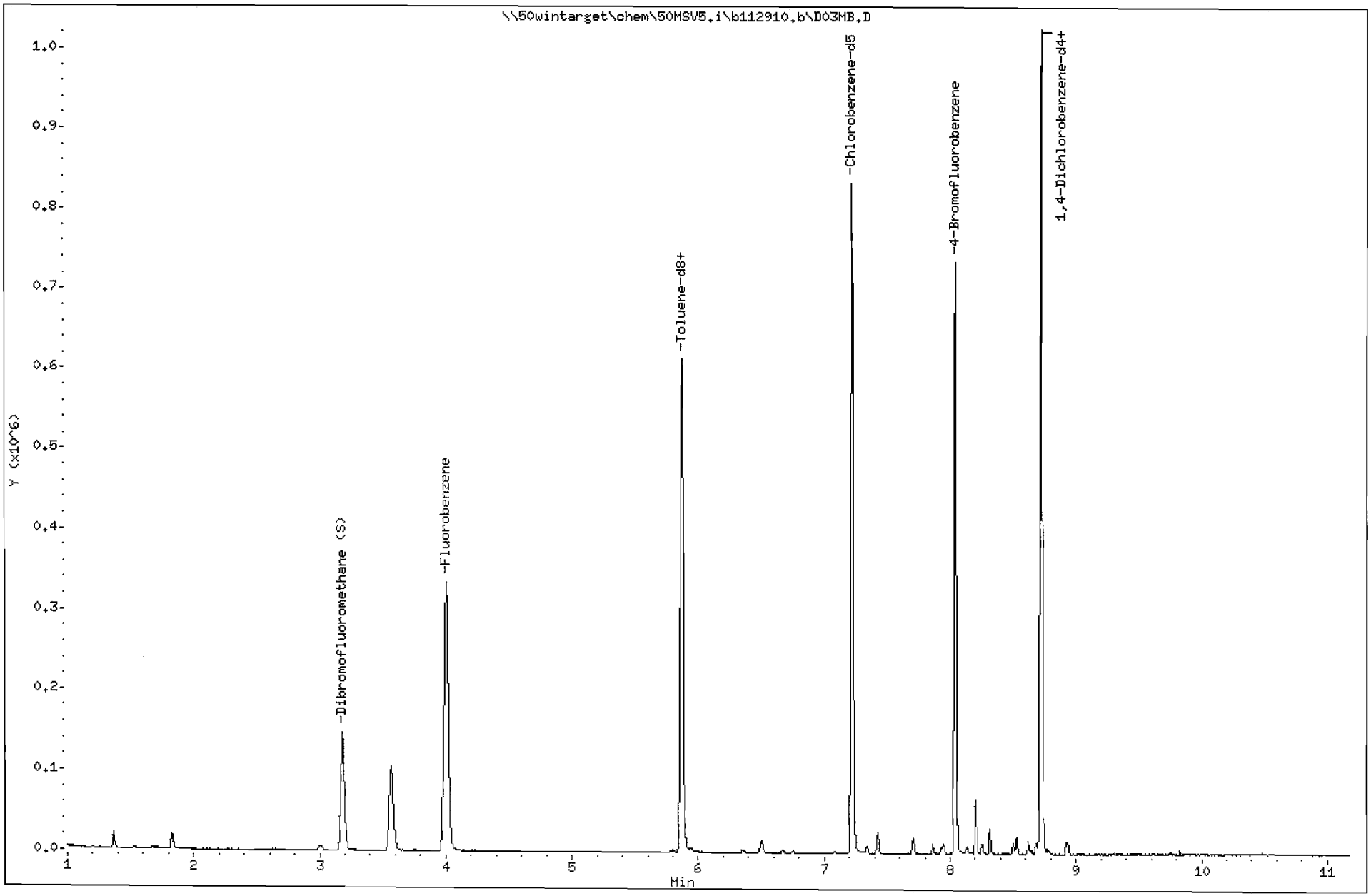
Client Name:
Lab Smp Id: 513154
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-09-2	Methylene Chloride	2.33	
108-88-3	Toluene	0.281	
100-41-4	Ethylbenzene	0.400	
7816-60-0	m&p-Xylene	1.39	
95-47-6	o-Xylene	0.706	
100-42-5	Styrene	0.699	
98-82-8	Isopropylbenzene	0.511	
108-86-1	Bromobenzene	0.597	
103-65-1	n-Propylbenzene	0.648	
95-49-8	2-Chlorotoluene	0.715	
106-43-4	4-Chlorotoluene	0.759	
108-67-8	1,3,5-Trimethylbenzene	0.827	
98-06-6	tert-Butylbenzene	0.474	
95-63-6	1,2,4-Trimethylbenzene	0.771	
135-98-8	sec-Butylbenzene	0.536	
541-73-1	1,3-Dichlorobenzene	0.793	
99-87-6	p-Isopropyltoluene	0.638	
106-46-7	1,4-Dichlorobenzene	0.834	
95-50-1	1,2-Dichlorobenzene	0.863	
104-51-8	n-Butylbenzene	0.518	
1868-53-7	Dibromofluoromethane (S)	50.0	
2037-26-5	Toluene-d8	49.8	
460-00-4	4-Bromofluorobenzene	49.2	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D03MB.D
Date : 29-NOV-2010 21:48
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D03MB.D

Date : 29-NOV-2010 21:48

Client ID: mb

Instrument: 50MSV5.i

Sample Info: mb

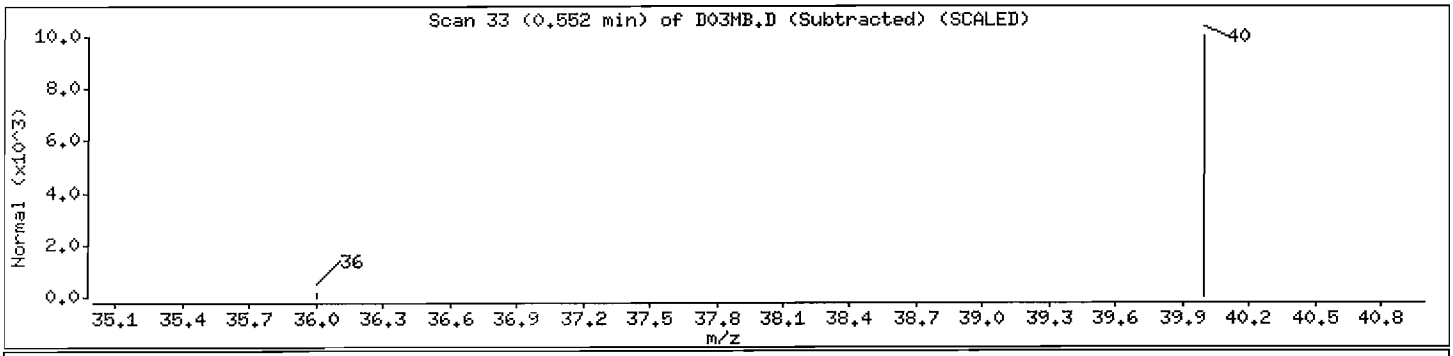
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						





VOA 8260B
GC/MS Volatiles

Section 6: Client Sample Data

**** Client Sample Raw Data***
**** Dilutions or Reruns of Client Samples***
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b112910.b\D06.D
Lab Smp Id: 5043637001 Client Smp ID: 5043637001
Inj Date : 29-NOV-2010 23:40
Operator : rsw Inst ID: 50MSV5.i
Smp Info : 5043637001
Misc Info : 28552
Comment :
Method : \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Meth Date : 03-Dec-2010 16:22 rwrede Quant Type: ISTD
Cal Date : 29-NOV-2010 18:04 Cal File: B08.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	11 Acetone	43	1.603	1.598	(0.401)	6733	20.2280	20.2
	15 Methylene Chloride	84	1.828	1.828	(0.457)	6006	2.06815	2.07
$	32 Dibromofluoromethane (S)	113	3.178	3.177	(0.795)	100200	50.3425	50.3
*	40 Fluorobenzene	96	3.999	3.999	(1.000)	368543	50.0000	
$	49 Toluene-d8	98	5.871	5.866	(0.813)	390218	49.0056	49.0
*	59 Chlorobenzene-d5	117	7.220	7.215	(1.000)	335633	50.0000	
	63 m&p-Xylene	106	7.424	7.424	(1.028)	2664	0.63844	0.638
$	70 4-Bromofluorobenzene	95	8.042	8.036	(1.114)	165380	49.0802	49.1
	74 n-Propylbenzene	91	8.204	8.204	(0.941)	4640	0.34448	0.344
	77 1,3,5-Trimethylbenzene	105	8.314	8.308	(0.953)	4486	0.47530	0.475
	79 1,2,4-Trimethylbenzene	105	8.528	8.523	(0.978)	7262	0.70867	0.709
*	82 1,4-Dichlorobenzene-d4	152	8.722	8.716	(1.000)	186287	50.0000	
	86 n-Butylbenzene	91	8.926	8.920	(1.023)	3621	0.36707	0.367

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: D06.D
Lab Smp Id: 5043637001
Analysis Type: VOA
Quant Type: ISTD
Operator: rsw
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

Calibration Date: 29-NOV-2010
Calibration Time: 20:33
Client Smp ID: 5043637001
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	399840	199920	799680	368543	-7.83
59 Chlorobenzene-d5	369530	184765	739060	335633	-9.17
82 1,4-Dichlorobenze	212670	106335	425340	186287	-12.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.00	3.50	4.50	4.00	0.00
59 Chlorobenzene-d5	7.22	6.72	7.72	7.22	0.07
82 1,4-Dichlorobenze	8.72	8.22	9.22	8.72	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: b112910.b
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 5043637001 Client Smp ID: 5043637001
Level: LOW Operator: rsw
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b112910.b\-B8260.m
Misc Info: 28552

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	50.3	100.69	80-123
$ 49 Toluene-d8	50.0	49.0	98.01	80-116
$ 70 4-Bromofluorobenze	50.0	49.1	98.16	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

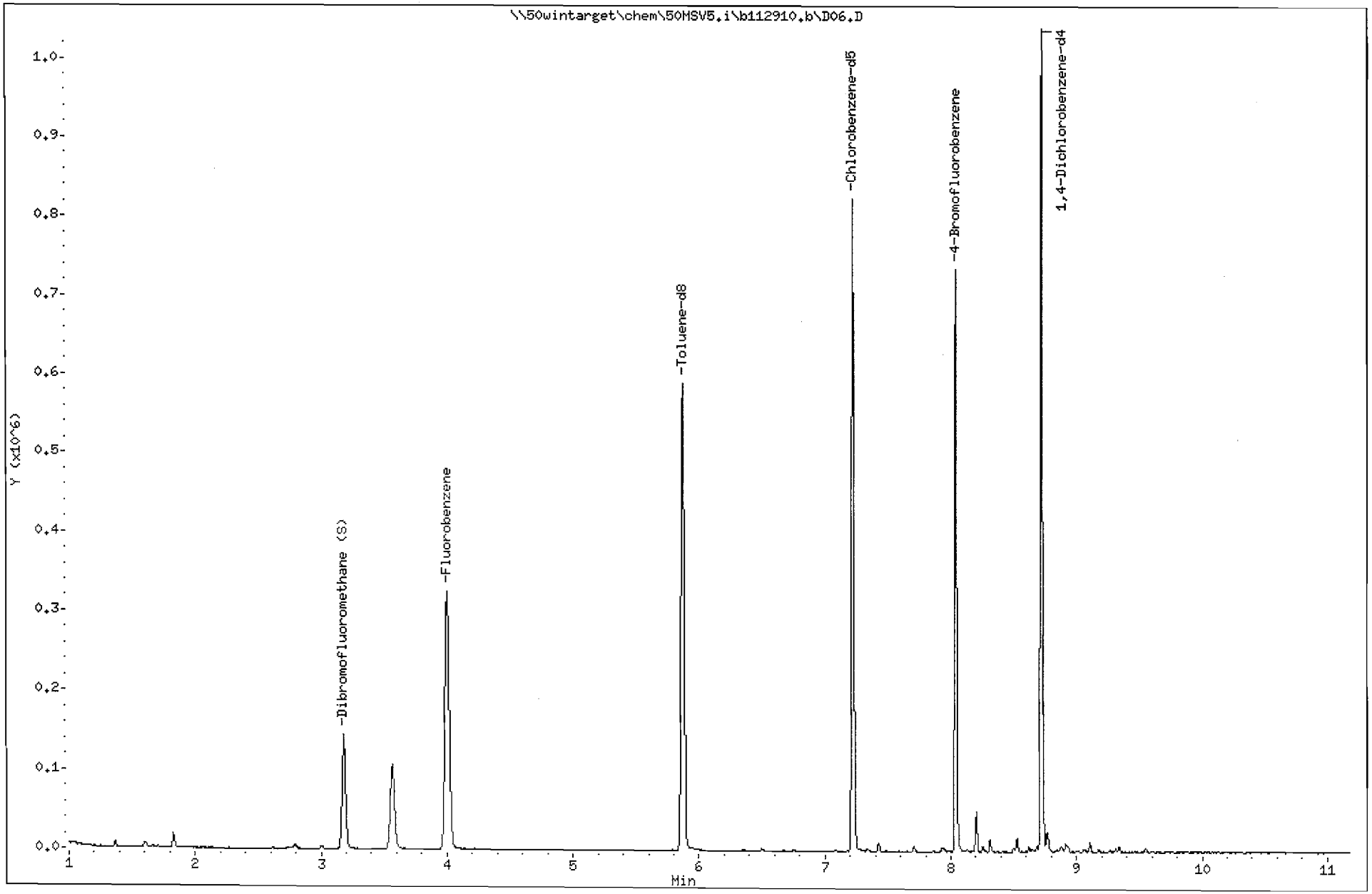
Client Name:
Lab Smp Id: 5043637001
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 28552

Client SDG: b112910.b
Client Smp ID: 5043637001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: rsw

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
67-64-1	Acetone	20.2	
75-09-2	Methylene Chloride	2.07	
7816-60-0	m&p-Xylene	0.638	
103-65-1	n-Propylbenzene	0.344	
108-67-8	1,3,5-Trimethylbenzene	0.475	
95-63-6	1,2,4-Trimethylbenzene	0.709	
104-51-8	n-Butylbenzene	0.367	
1868-53-7	Dibromofluoromethane (S)	50.3	
2037-26-5	Toluene-d8	49.0	
460-00-4	4-Bromofluorobenzene	49.1	

Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D06.D
Date : 29-NOV-2010 23:40
Client ID: 5043637001
Sample Info: 5043637001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: rsw
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b112910.b\D06.D

Date : 29-NOV-2010 23:40

Client ID: 5043637001

Instrument: 50MSV5.i

Sample Info: 5043637001

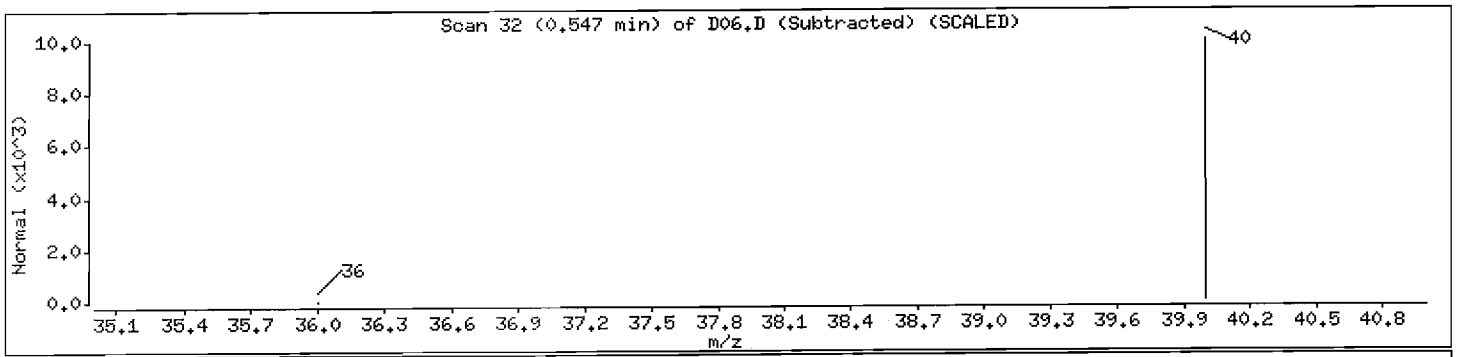
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

December 01, 2010

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027027/Allison AOI 51
Pace Project No.: 5043639

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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SAMPLE SUMMARY

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043639001	AOI 51 Separator Eff(111810)	Water	11/18/10 14:30	11/18/10 15:22

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SAMPLE ANALYTE COUNT

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043639001	AOI 51 Separator Eff(111810)	EPA 8260	RSW	51

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ANALYTICAL RESULTS

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

Sample: AOI 51 Separator Eff(111810) Lab ID: 5043639001 Collected: 11/18/10 14:30 Received: 11/18/10 15:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		11/30/10 12:11	67-64-1	
Benzene	ND	ug/L	50.0	10		11/30/10 12:11	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		11/30/10 12:11	75-27-4	
Bromoform	ND	ug/L	50.0	10		11/30/10 12:11	75-25-2	
Bromomethane	ND	ug/L	50.0	10		11/30/10 12:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		11/30/10 12:11	78-93-3	
Carbon disulfide	ND	ug/L	100	10		11/30/10 12:11	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		11/30/10 12:11	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		11/30/10 12:11	108-90-7	
Chloroethane	ND	ug/L	50.0	10		11/30/10 12:11	75-00-3	
Chloroform	ND	ug/L	50.0	10		11/30/10 12:11	67-66-3	
Chloromethane	ND	ug/L	50.0	10		11/30/10 12:11	74-87-3	
Cyclohexane	ND	ug/L	1000	10		11/30/10 12:11	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/30/10 12:11	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		11/30/10 12:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/30/10 12:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/30/10 12:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/30/10 12:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/30/10 12:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/30/10 12:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		11/30/10 12:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		11/30/10 12:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		11/30/10 12:11	75-35-4	
cis-1,2-Dichloroethene	314	ug/L	50.0	10		11/30/10 12:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		11/30/10 12:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		11/30/10 12:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/30/10 12:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/30/10 12:11	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		11/30/10 12:11	100-41-4	
2-Hexanone	ND	ug/L	250	10		11/30/10 12:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/30/10 12:11	98-82-8	
Methyl acetate	ND	ug/L	500	10		11/30/10 12:11	79-20-9	
Methylcyclohexane	ND	ug/L	500	10		11/30/10 12:11	108-87-2	
Methylene chloride	ND	ug/L	50.0	10		11/30/10 12:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/30/10 12:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/30/10 12:11	1634-04-4	
Styrene	ND	ug/L	50.0	10		11/30/10 12:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/30/10 12:11	79-34-5	
Tetrachloroethene	16100	ug/L	500	100		11/30/10 12:48	127-18-4	
Toluene	ND	ug/L	50.0	10		11/30/10 12:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/30/10 12:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/30/10 12:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/30/10 12:11	79-00-5	
Trichloroethene	512	ug/L	50.0	10		11/30/10 12:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		11/30/10 12:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/30/10 12:11	76-13-1	

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ANALYTICAL RESULTS

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

Sample: AOI 51 Separator Eff(111810) Lab ID: 5043639001 Collected: 11/18/10 14:30 Received: 11/18/10 15:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Vinyl chloride	ND	ug/L	20.0	10		11/30/10 12:11	75-01-4	3d,D4
Xylene (Total)	ND	ug/L	100	10		11/30/10 12:11	1330-20-7	
Dibromofluoromethane (S)	99	%	80-123	10		11/30/10 12:11	1868-53-7	
4-Bromofluorobenzene (S)	98	%	70-126	10		11/30/10 12:11	460-00-4	
Toluene-d8 (S)	101	%	80-116	10		11/30/10 12:11	2037-26-5	

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QUALITY CONTROL DATA

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

QC Batch: MSV/28607
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 5043639001

METHOD BLANK: 513753
Matrix: Water
Associated Lab Samples: 5043639001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/30/10 11:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/30/10 11:34	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/30/10 11:34	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/30/10 11:34	
1,1-Dichloroethane	ug/L	ND	5.0	11/30/10 11:34	
1,1-Dichloroethene	ug/L	ND	5.0	11/30/10 11:34	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/30/10 11:34	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/30/10 11:34	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/30/10 11:34	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/30/10 11:34	
1,2-Dichloroethane	ug/L	ND	5.0	11/30/10 11:34	
1,2-Dichloropropane	ug/L	ND	5.0	11/30/10 11:34	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/30/10 11:34	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/30/10 11:34	
2-Butanone (MEK)	ug/L	ND	25.0	11/30/10 11:34	
2-Hexanone	ug/L	ND	25.0	11/30/10 11:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/30/10 11:34	
Acetone	ug/L	ND	100	11/30/10 11:34	
Benzene	ug/L	ND	5.0	11/30/10 11:34	
Bromodichloromethane	ug/L	ND	5.0	11/30/10 11:34	
Bromoform	ug/L	ND	5.0	11/30/10 11:34	
Bromomethane	ug/L	ND	5.0	11/30/10 11:34	
Carbon disulfide	ug/L	ND	10.0	11/30/10 11:34	
Carbon tetrachloride	ug/L	ND	5.0	11/30/10 11:34	
Chlorobenzene	ug/L	ND	5.0	11/30/10 11:34	
Chloroethane	ug/L	ND	5.0	11/30/10 11:34	
Chloroform	ug/L	ND	5.0	11/30/10 11:34	
Chloromethane	ug/L	ND	5.0	11/30/10 11:34	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/30/10 11:34	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/30/10 11:34	
Cyclohexane	ug/L	ND	100	11/30/10 11:34	
Dibromochloromethane	ug/L	ND	5.0	11/30/10 11:34	
Dichlorodifluoromethane	ug/L	ND	5.0	11/30/10 11:34	
Ethylbenzene	ug/L	ND	5.0	11/30/10 11:34	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/30/10 11:34	
Methyl acetate	ug/L	ND	50.0	11/30/10 11:34	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/30/10 11:34	
Methylcyclohexane	ug/L	ND	50.0	11/30/10 11:34	
Methylene chloride	ug/L	ND	5.0	11/30/10 11:34	
Styrene	ug/L	ND	5.0	11/30/10 11:34	
Tetrachloroethene	ug/L	ND	5.0	11/30/10 11:34	
Toluene	ug/L	ND	5.0	11/30/10 11:34	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/30/10 11:34	

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(317)875-5894

QUALITY CONTROL DATA

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

METHOD BLANK: 513753 Matrix: Water

Associated Lab Samples: 5043639001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/30/10 11:34	
Trichloroethene	ug/L	ND	5.0	11/30/10 11:34	
Trichlorofluoromethane	ug/L	ND	5.0	11/30/10 11:34	
Vinyl chloride	ug/L	ND	2.0	11/30/10 11:34	
Xylene (Total)	ug/L	ND	10.0	11/30/10 11:34	
4-Bromofluorobenzene (S)	%	99	70-126	11/30/10 11:34	
Dibromofluoromethane (S)	%	97	80-123	11/30/10 11:34	
Toluene-d8 (S)	%	99	80-116	11/30/10 11:34	

LABORATORY CONTROL SAMPLE: 513754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.2	112	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	53.3	107	69-131	
1,1,2-Trichloroethane	ug/L	50	53.1	106	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethane	ug/L	50	55.9	112	67-133	
1,1-Dichloroethene	ug/L	50	55.5	111	63-128	
1,2,4-Trichlorobenzene	ug/L	50	59.3	119	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	56.4	113	75-126	
1,2-Dichlorobenzene	ug/L	50	55.1	110	76-124	
1,2-Dichloroethane	ug/L	50	50.4	101	69-139	
1,2-Dichloropropane	ug/L	50	55.7	111	76-129	
1,3-Dichlorobenzene	ug/L	50	56.4	113	76-125	
1,4-Dichlorobenzene	ug/L	50	55.8	112	75-122	
2-Butanone (MEK)	ug/L	250	282	113	47-189	
2-Hexanone	ug/L	250	291	116	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	256	102	61-135	
Acetone	ug/L	250	349	140	30-170	
Benzene	ug/L	50	55.7	111	78-127	
Bromodichloromethane	ug/L	50	54.5	109	69-133	
Bromoform	ug/L	50	50.5	101	60-127	
Bromomethane	ug/L	50	57.2	114	30-170	
Carbon disulfide	ug/L	100	104	104	58-152	
Carbon tetrachloride	ug/L	50	57.0	114	62-143	
Chlorobenzene	ug/L	50	54.9	110	75-123	
Chloroethane	ug/L	50	62.7	125	56-153	
Chloroform	ug/L	50	52.6	105	74-131	
Chloromethane	ug/L	50	55.2	110	35-147	
cis-1,2-Dichloroethene	ug/L	50	59.3	119	74-128	
cis-1,3-Dichloropropene	ug/L	50	57.2	114	58-123	
Cyclohexane	ug/L	50	ND	99	63-134	
Dibromochloromethane	ug/L	50	52.9	106	66-131	
Dichlorodifluoromethane	ug/L	50	56.3	113	30-170	

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(317)875-5894

QUALITY CONTROL DATA

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

LABORATORY CONTROL SAMPLE: 513754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	57.2	114	81-126	
Isopropylbenzene (Cumene)	ug/L	50	55.0	110	80-130	
Methyl acetate	ug/L	50	57.9	116	30-170	
Methyl-tert-butyl ether	ug/L	100	126	126	66-147	
Methylcyclohexane	ug/L	50	51.9	104	65-135	
Methylene chloride	ug/L	50	53.3	107	32-164	
Styrene	ug/L	50	57.9	116	74-128	
Tetrachloroethene	ug/L	50	47.3	95	60-119	
Toluene	ug/L	50	56.3	113	75-129	
trans-1,2-Dichloroethene	ug/L	50	66.0	132	71-126	L3
trans-1,3-Dichloropropene	ug/L	50	52.8	106	54-123	
Trichloroethene	ug/L	50	55.1	110	74-130	
Trichlorofluoromethane	ug/L	50	51.5	103	62-150	
Vinyl chloride	ug/L	50	59.6	119	55-141	
Xylene (Total)	ug/L	150	170	113	76-132	
4-Bromofluorobenzene (S)	%			98	70-126	
Dibromofluoromethane (S)	%			102	80-123	
Toluene-d8 (S)	%			100	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 513755 513756

Parameter	Units	5043681001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	40.2	49.3	80	99	64-143	20	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	41.0	49.8	82	100	64-142	19	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	40.0	48.1	80	96	71-143	18	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	33.4	41.0	67	82	70-130	20	20	M0
1,1-Dichloroethane	ug/L	ND	50	50	40.9	49.7	82	99	68-139	20	20	
1,1-Dichloroethene	ug/L	ND	50	50	39.7	47.9	79	96	55-140	19	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.3	50.9	87	102	28-140	16	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	38.3	46.8	77	94	39-140	20	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	43.4	52.0	87	104	67-134	18	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	42.1	49.4	84	99	48-137	16	20	
1,2-Dichloroethane	ug/L	ND	50	50	39.4	46.2	79	92	63-148	16	20	
1,2-Dichloropropane	ug/L	ND	50	50	41.5	51.1	83	102	70-136	21	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	41.9	49.5	84	99	40-143	17	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	41.8	49.1	84	98	38-142	16	20	
2-Butanone (MEK)	ug/L	ND	250	250	195	238	78	95	62-132	20	20	
2-Hexanone	ug/L	ND	250	250	205	241	82	96	61-141	16	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	200	237	80	95	57-135	17	20	
Acetone	ug/L	ND	250	250	182	224	73	89	30-170	20	20	
Benzene	ug/L	ND	50	50	41.9	51.1	84	102	63-141	20	20	
Bromodichloromethane	ug/L	ND	50	50	39.7	49.4	79	99	63-135	22	20	
Bromoform	ug/L	ND	50	50	36.2	46.5	72	93	58-124	25	20	
Bromomethane	ug/L	ND	50	50	39.2	50.1	78	100	30-170	25	20	
Carbon disulfide	ug/L	ND	100	100	74.8	91.0	75	91	46-162	19	20	
Carbon tetrachloride	ug/L	ND	50	50	39.9	50.1	80	100	54-145	23	20	

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QUALITY CONTROL DATA

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 513755 513756

Parameter	Units	5043681001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	41.5	48.7	83	97	56-133	16	20	
Chloroethane	ug/L	ND	50	50	45.5	56.5	91	113	54-157	22	20	
Chloroform	ug/L	ND	50	50	38.5	47.9	77	96	67-134	22	20	
Chloromethane	ug/L	ND	50	50	41.3	50.8	83	102	36-137	21	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	44.3	54.8	89	110	65-132	21	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.1	51.0	84	102	46-121	19	20	
Cyclohexane	ug/L	ND	50	50	ND	ND	73	88	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	39.2	47.5	78	95	64-124	19	20	
Dichlorodifluoromethane	ug/L	ND	50	50	42.8	52.6	86	105	30-163	21	20	
Ethylbenzene	ug/L	ND	50	50	43.0	49.8	86	100	44-151	15	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	40.8	46.7	82	93	40-148	13	20	
Methyl acetate	ug/L	ND	50	50	ND	54.6	88	109	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	96.7	118	97	118	52-156	20	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	76	93	44-158		20	
Methylene chloride	ug/L	ND	50	50	39.0	46.8	78	94	46-154	18	20	
Styrene	ug/L	ND	50	50	40.5	32.3	81	65	38-141	22	20	
Tetrachloroethene	ug/L	ND	50	50	36.8	43.8	74	88	25-146	18	20	
Toluene	ug/L	ND	50	50	41.9	49.9	84	100	59-142	17	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.0	60.0	98	120	60-137	20	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	38.0	46.2	76	92	43-117	19	20	
Trichloroethene	ug/L	ND	50	50	39.9	49.2	80	98	61-137	21	20	
Trichlorofluoromethane	ug/L	ND	50	50	36.7	45.4	73	91	53-162	21	20	
Vinyl chloride	ug/L	ND	50	50	44.6	54.4	89	109	51-144	20	20	
Xylene (Total)	ug/L	ND	150	150	126	141	84	94	44-152	11	20	
4-Bromofluorobenzene (S)	%						98	96	70-126		20	
Dibromofluoromethane (S)	%						99	102	80-123		20	2d
Toluene-d8 (S)	%						101	100	80-116		20	

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QUALIFIERS

Project: E027027/Allison AOI 51
Pace Project No.: 5043639

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

1d	Benzene ND at an estimated RL of 5.1 ug/L, based on the MDL. RSW 12/01/10
2d	RPD value was outside control limits for several compounds. Refer to batch QC for control. RSW 12/01/10
3d	Vinyl chloride ND at an estimated RL of 6.9 ug/L, based on the MDL. RSW 12/01/10
D4	Sample was diluted due to the presence of high levels of target analytes.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 08899

SSOW Ref. Code: E 027027

per Sue 11/19/10

Required Client Information:

Company: Arcadis	Report To: Sarah Fisher
Address: 251 E. Ohio	Copy To: Eric Moosbrugger
Suite 800	Invoice To:
Indianapolis, IN 46204	P.O.:
Phone: 317-236-5225	Project Name:
Fax:	Project Number: IN000473.0019
E-mail: Sarah.Fisher@arcadis-us.com	

Laboratory: Pace	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date:	TAT: Standard
QA/QC Requirements:	

5043639

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs 8260	Remarks/Lab ID
1. AOI 51 Separator Eff (11/18/10)	TS	11/18/10	1430	3		X					X	001
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS				3								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Scott Maletyt / Arcadis	11/18/10	1522	Marisa Wilson	11/18/10	1522
AIRBILL NO.							

Sample Condition

Temp in °C	5.6 °C
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

client. ms

Sampler Name: Scott Maletyt

Sampler Signature: [signature] Date: 11/18/10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 92436399

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other dcl

Thermometer Used 1 2 3 4 5 A B C D E **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.6°C **Ice Visible in Sample Containers:** ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11/8/10 MW

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No ☑N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☐Yes ☑No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 11/8/10

Form F-IN-Q290-rev.1, 06Jul2010

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID#

Project # 4043639

Pace Analytical
www.pacelabs.com

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

13 of 13

Air Toxics LTD.
Laboratory Services Since 1989

8/5/2010
Mr. Eric Moosbrugger
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: ATD
Project #: IN473.19.7
Workorder #: 1007440

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 7/21/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1007440

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable ARCADIS, Inc. 640 Plaza Drive Suite 130 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 ATD
DATE RECEIVED:	07/21/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	08/05/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE Blower Eff (072010)	Modified TO-15 (5&20 ppbv	Tedlar Bag	Tedlar Bag
02A	Lab Blank	Modified TO-15 (5&20 ppbv	NA	NA
03A	CCV	Modified TO-15 (5&20 ppbv	NA	NA
04A	LCS	Modified TO-15 (5&20 ppbv	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 08/05/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15 Soil Gas
ARCADIS, Inc.
Workorder# 1007440

One 1 Liter Tedlar Bag sample was received on July 21, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: SVE Blower Eff (072010)

Lab ID#: 1007440-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	31	20	120
Trichloroethene	5.0	59	27	320
Tetrachloroethene	5.0	3500	34	24000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE Blower Eff (072010)

Lab ID#: 1007440-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072309**	**Date of Collection: 7/20/10 4:00:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/23/10 01:51 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	31	20	120
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	59	27	320
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	3500	34	24000
Cumene	5.0	Not Detected	24	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1007440-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/23/10 12:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
Cumene	5.0	Not Detected	24	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	87	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1007440-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/23/10 11:07 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	121
Chloroform	117
1,1,1-Trichloroethane	107
Trichloroethene	114
Toluene	115
Tetrachloroethene	104
Cumene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1007440-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072316**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/23/10 04:50 PM**	

Compound	%Recovery
cis-1,2-Dichloroethene	118
Chloroform	115
1,1,1-Trichloroethane	106
Trichloroethene	113
Toluene	110
Tetrachloroethene	99
Cumene	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	95	70-130

GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1007440

PAGE 1 OF 1

ID # Nº 09297

SSOW Ref. Code: E027023

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #300	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317 231-6500	Project Name: ATD
Fax: 6514	Project Number: IN473-19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Air Toxics	
Laboratory Location: Folsom, CA	
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Analysis and Method

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Method TO-15 (Full Scan)	Remarks/Lab ID
01A SVE Blower IEPT (072010)	SE	28Jun10	1600	2	2						2	
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS				2								

CUSTODY SEAL INTACT? Y N NONE TEMP

FedEx

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FedEx	1 red box	Rob Andrzejewski / Arcadis	28Jun10	1700	Monica Gregson / AIL	7/21/10	0900
AIRBILL NO.							

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: * Client specific Parameters call w/ questions

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert Andrzejewski Date: 28Jun10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Air Toxics LTD.
Laboratory Services Since 1989

9/1/2010
Mr. Eric Moosbrugger
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: ATD
Project #: IN473.19.7
Workorder #: 1008637

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 8/27/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1008637

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable ARCADIS, Inc. 640 Plaza Drive Suite 130 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 ATD
DATE RECEIVED:	08/27/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	09/01/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE BLOWER EFF (082610)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	Lab Blank	Modified TO-15	NA	NA
03A	CCV	Modified TO-15	NA	NA
04A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 09/01/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1008637

One 1 Liter Tedlar Bag sample was received on August 27, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE BLOWER EFF (082610)

Lab ID#: 1008637-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	37	40	150
Trichloroethene	10	84	54	450
Tetrachloroethene	10	4100	68	28000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE BLOWER EFF (082610)

Lab ID#: 1008637-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3082716**	**Date of Collection: 8/26/10 2:30:00 PM**	
Dil. Factor:	**20.0**	**Date of Analysis: 8/27/10 07:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	37	40	150
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	84	54	450
Tetrachloroethene	10	4100	68	28000
Cumene	10	Not Detected	49	Not Detected
Toluene	10	Not Detected	38	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1008637-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3082706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/10 11:18 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1008637-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3082702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/10 08:23 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	97
Chloroform	92
1,1,1-Trichloroethane	89
Trichloroethene	91
Tetrachloroethene	102
Cumene	106
Toluene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1008637-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3082703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/10 09:06 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	103
Chloroform	98
1,1,1-Trichloroethane	96
Trichloroethene	98
Tetrachloroethene	110
Cumene	113
Toluene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	91	70-130

1008637

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # № 04323

SSOW Ref. Code: E027023

Required Client Information:

Company: ARCADIS	Report To: E. MOOSBRUGGER
Address: 251 E. OHIO St. #800	Copy To: S. FISHER
	Invoice To: CORPORATE
INDPLS, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: ATD
Fax: 6514	Project Number: IN473.19.7
E-mail: EMOOSBRUGGER@ARCADIS-US.COM	

Laboratory: AIR TOXICS	
Laboratory Location: FOLSOM, CA	
Laboratory Contact:	
Requested Due Date:	TAT: 5 DAYS
QA/QC Requirements:	

Analysis and Method

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	MODIFIED TO-15*										Remarks/Lab ID
01A SVE BLOWER EFF (082610)	GE	8/26/10	1430	2	2						X										
2.																					
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					
TOTAL NUMBER OF CONTAINERS																					

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

FEDEX
CUSTODY SEAL INTACT? Y N
TEMP N/A

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FED EX	1 BOX	[signature] / ARCADIS	8/26/10	15:00	[signature] / ATL	8/27/10	900
AIRBILL NO.							

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: * CLIENT SPECIFIC PARAMETERS
CALL W/ QUESTIONS

Sampler Name: CHAD BUTRUM

Sampler Signature: [signature] Date: 8/26/10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Air Toxics LTD.
Laboratory Services Since 1989

10/5/2010
Mr. Eric Moosbrugger
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 1009464

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 9/22/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1009464

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable ARCADIS, Inc. 640 Plaza Drive Suite 130 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	09/22/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/05/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	AS BLOWER EFF (092110)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	SVE BLOWER EFF (092110)	Modified TO-15	Tedlar Bag	Tedlar Bag
03A	Lab Blank	Modified TO-15	NA	NA
03B	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
04B	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA
05AA	LCSD	Modified TO-15	NA	NA
05B	LCS	Modified TO-15	NA	NA
05BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 10/05/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1009464

Two 1 Liter Tedlar Bag samples were received on September 22, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: AS BLOWER EFF (092110)

Lab ID#: 1009464-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	0.67	2.0	2.6
Trichloroethene	0.50	2.4	2.7	13
Tetrachloroethene	0.50	110	3.4	780
Toluene	0.50	0.71	1.9	2.7

Client Sample ID: SVE BLOWER EFF (092110)

Lab ID#: 1009464-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	22	40	88
Trichloroethene	10	53	54	290
Tetrachloroethene	10	3400	68	23000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: AS BLOWER EFF (092110)

Lab ID#: 1009464-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**6092341**	**Date of Collection: 9/21/10 11:20:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/10 06:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	0.67	2.0	2.6
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	2.4	2.7	13
Tetrachloroethene	0.50	110	3.4	780
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	0.71	1.9	2.7

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	128	70-130
4-Bromofluorobenzene	123	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE BLOWER EFF (092110)

Lab ID#: 1009464-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092427**	**Date of Collection: 9/21/10 11:10:00 AM**	
Dil. Factor:	**20.0**	**Date of Analysis: 9/24/10 10:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	22	40	88
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	53	54	290
Tetrachloroethene	10	3400	68	23000
Cumene	10	Not Detected	49	Not Detected
Toluene	10	Not Detected	38	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1009464-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**6092316**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/10 09:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1009464-03B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092407**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/10 01:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1009464-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**6092311**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/10 07:39 PM**	

Compound	%Recovery
cis-1,2-Dichloroethene	95
Chloroform	103
1,1,1-Trichloroethane	110
Trichloroethene	105
Tetrachloroethene	107
Cumene	120
Toluene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1009464-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/10 09:22 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	94
Chloroform	108
1,1,1-Trichloroethane	117
Trichloroethene	110
Tetrachloroethene	108
Cumene	109
Toluene	115

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	112	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1009464-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**6092312**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/10 07:59 PM**	

Compound	%Recovery
cis-1,2-Dichloroethene	100
Chloroform	108
1,1,1-Trichloroethane	116
Trichloroethene	110
Tetrachloroethene	110
Cumene	121
Toluene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1009464-05AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**6092313**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/10 08:24 PM**	

Compound	%Recovery
cis-1,2-Dichloroethene	98
Chloroform	105
1,1,1-Trichloroethane	112
Trichloroethene	110
Tetrachloroethene	111
Cumene	122
Toluene	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1009464-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/10 11:00 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	95
Chloroform	106
1,1,1-Trichloroethane	116
Trichloroethene	107
Tetrachloroethene	103
Cumene	103
Toluene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	112	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1009464-05BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/10 11:17 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	97
Chloroform	108
1,1,1-Trichloroethane	119
Trichloroethene	110
Tetrachloroethene	106
Cumene	107
Toluene	109

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	111	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	104	70-130

1009464

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

GM REALM ENCORE

PAGE 1 OF 1

ID # Nº 09288

SSOW Ref. Code: E027025

Required Client Information:

Company: ARCADIS	Report To: ERIC MOOSBRUGGER
Address: 251 E. OHIO ST. #800	Copy To: SARAH FISHER
	Invoice To: CORPORATE
INDPLS, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: ALLISON TRANS
Fax: X 6514	Project Number: IN473.19.7
E-mail: EMOOSBRUGGER@ARCADIS-US.COM	

Laboratory: AIR TOXICS	
Laboratory Location: FOLSOM, CA	
Laboratory Contact:	
Requested Due Date:	TAT: STD
QA/QC Requirements:	

Analysis and Method

Preservative

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Mod. TO-15	Remarks/Lab ID
01A AS BLOWER EFF (092110)	GE	21 SEPT 10	11:20	2	2						X	
02A SVE BLOWER EFF (092110)	GE	21 SEPT 10	11:10	2	2						X	
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS												

FedEx

CUSTODY SEAL INTACT? Y N CONT TEMP MA

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FED EX	1 LRG BOX	[signature] / ARCADIS	9/21/10	14:00	[signature]	9/22/10	910
AIRBILL NO.							

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: *CLIENT SPECIFIC PARAMETERS

Sampler Name: CHAD BUTRUM

Sampler Signature: [signature] Date: 9-21-10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Air Toxics LTD.
Laboratory Services Since 1989

12/19/2010
Mr. Eric Moosbrugger
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 1012136

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 12/7/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1012136

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable ARCADIS, Inc. 640 Plaza Drive Suite 130 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019.00007
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	12/07/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	12/19/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE BLOWER EFF (120610)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	AIR STRIPPER EFF (120610)	Modified TO-15	Tedlar Bag	Tedlar Bag
03A	Lab Blank	Modified TO-15	NA	NA
03B	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
04B	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA
05AA	LCSD	Modified TO-15	NA	NA
05B	LCS	Modified TO-15	NA	NA
05BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 12/19/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1012136

Two 1 Liter Tedlar Bag samples were received on December 07, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Dilution was performed on sample SVE BLOWER EFF (120610) due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: SVE BLOWER EFF (120610)

Lab ID#: 1012136-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	12	38	50	150
Trichloroethene	12	71	67	380
Tetrachloroethene	12	4700	85	32000

Client Sample ID: AIR STRIPPER EFF (120610)

Lab ID#: 1012136-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.50	13	3.4	90
Toluene	0.50	0.95	1.9	3.6

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE BLOWER EFF (120610)

Lab ID#: 1012136-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b120925**	**Date of Collection: 12/6/10 3:45:00 PM**	
Dil. Factor:	**2.50**	**Date of Analysis: 12/9/10 10:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	12	38	50	150
Chloroform	12	Not Detected	61	Not Detected
1,1,1-Trichloroethane	12	Not Detected	68	Not Detected
Trichloroethene	12	71	67	380
Toluene	12	Not Detected	47	Not Detected
Tetrachloroethene	12	4700	85	32000
Cumene	12	Not Detected	61	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: AIR STRIPPER EFF (120610)

Lab ID#: 1012136-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3120807**	**Date of Collection: 12/6/10 4:00:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/8/10 12:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	13	3.4	90
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	0.95	1.9	3.6

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1012136-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3120806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/8/10 11:24 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1012136-03B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b120906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/9/10 10:53 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
Cumene	5.0	Not Detected	24	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1012136-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3120802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/8/10 09:02 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	99
Chloroform	101
1,1,1-Trichloroethane	95
Trichloroethene	100
Tetrachloroethene	101
Cumene	108
Toluene	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1012136-04B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b120902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/9/10 08:27 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	102
Chloroform	105
1,1,1-Trichloroethane	101
Trichloroethene	106
Toluene	101
Tetrachloroethene	95
Cumene	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1012136-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3120803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/8/10 09:33 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	100
Chloroform	98
1,1,1-Trichloroethane	94
Trichloroethene	97
Tetrachloroethene	94
Cumene	106
Toluene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1012136-05AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3120804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/8/10 09:50 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	98
Chloroform	96
1,1,1-Trichloroethane	94
Trichloroethene	96
Tetrachloroethene	91
Cumene	106
Toluene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1012136-05B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b120903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/9/10 09:02 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	93
Chloroform	94
1,1,1-Trichloroethane	90
Trichloroethene	92
Toluene	92
Tetrachloroethene	84
Cumene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1012136-05BB

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b120904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/9/10 09:31 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	83
Chloroform	86
1,1,1-Trichloroethane	83
Trichloroethene	83
Toluene	83
Tetrachloroethene	76
Cumene	83

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	104	70-130

GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1012136

PAGE 1 OF 1

ID # Nº 08900

SSOW Ref. Code: E027027

Required Client Information:

Company: ARCADIS	Report To: ERIC MOOSBRUGGER
Address: 251 E. OHIO St. #800	Copy To: SARAH FISHER
INDPLS. IN, 46204	Invoice To: CORPORATE
Phone: 317-231-6500	P.O.: IN000473.0019.00007
Fax: x6514	Project Name: ALLISON TRANS
E-mail: EMOOSBRUGGER@ARCADIS-US.COM	Project Number: IN473.19.7

Laboratory: AIR TOXICS	
Laboratory Location: FOLSOM, CA	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Analysis and Method

Preservative

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Md. TO-15 *										Remarks/Lab ID
01A 1. SVE BLOWER EFF (120610)	GE	6DEC10	1545	2	2						X										
02A 2. AIR STRIPPER EFF (120610)	GE	6DEC10	1600	2	2						X										
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					
TOTAL NUMBER OF CONTAINERS																					

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Iced (Y)

CUSTODY SEALS INTACT? Y N N/A

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FED EX	1 Box	[signature] /ARCADIS	12/6/10	17:30	[signature] ATC	12/7/10	900
AIRBILL NO.						BW 12/7/10	

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

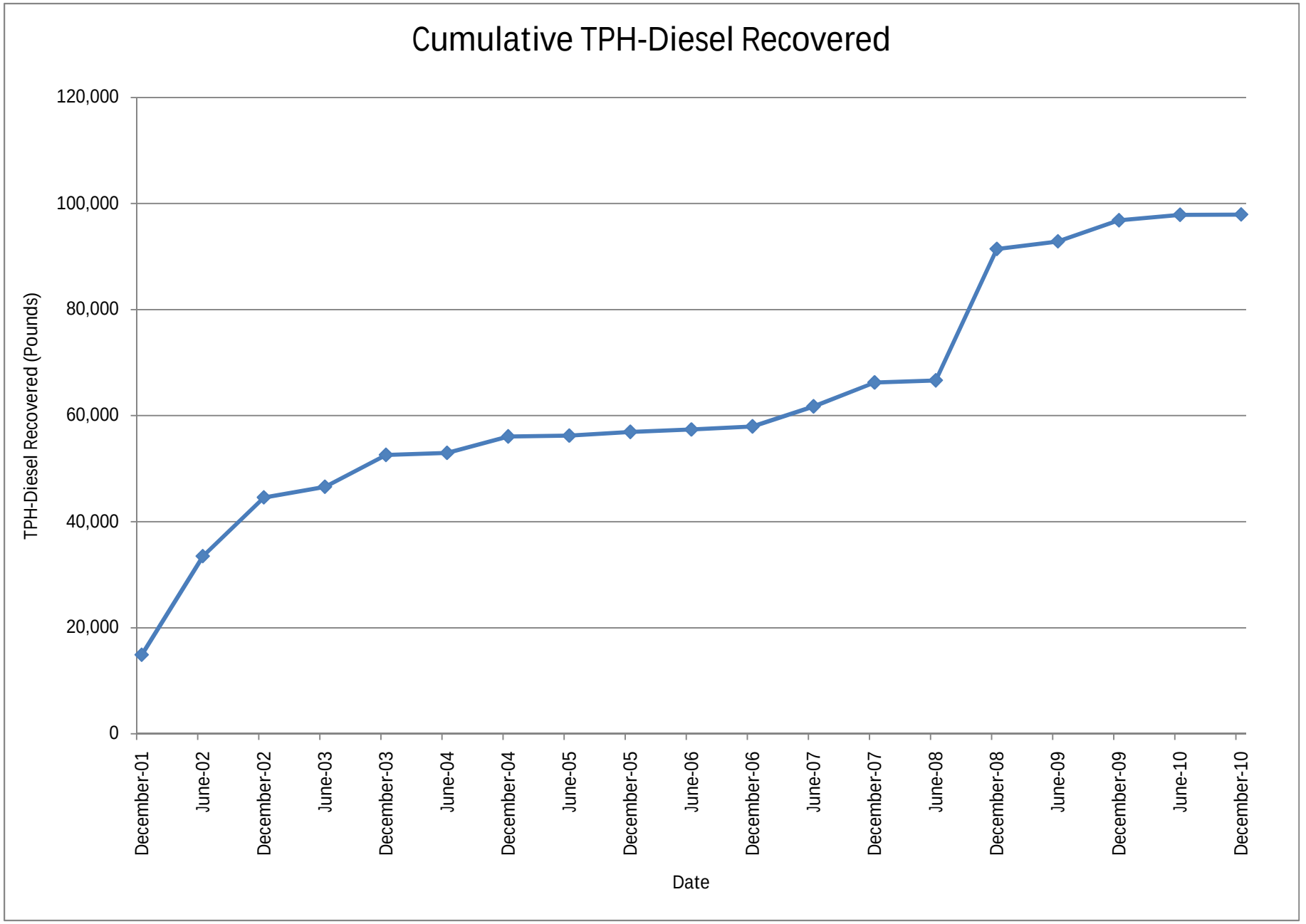
Additional Comments: * CLIENT SPECIFIC PARAMETERS

Sampler Name: CHAD BUTRUM

Sampler Signature: [signature] Date: 12-6-10

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)


Cumulative TPH-Diesel Recovered
TPH-Diesel Recovered (Pounds)
120,000
100,000
80,000
60,000
40,000
20,000
0
December-01
June-02
December-02
June-03
December-03
June-04
December-04
June-05
December-05
June-06
December-06
June-07
December-07
June-08
December-08
June-09
December-09
June-10
December-10
Date