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Ms. Jill Groboski
U.S. Environmental Protection Agency – Region 5
Waste, Pesticides, and Toxics Division
77 W. Jackson Blvd. DE-97
Chicago, IL 60604-3590

Subject:
Results of 2007 Annual Groundwater Sampling Event
GM NAO Flint Operations Site, Flint, Michigan

Dear Ms. Groboski:

Date:
March 31, 2008

Contact:
Lisa R. Coffey, P.G.

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Our ref:
B0064410 #2.04

This report is being submitted on behalf of Kurt Blizzard of the General Motors Corporation (GM) by ARCADIS, to present the results of groundwater monitoring activities completed at the GM North American Operations (NAO) Flint Operations Site in Flint, Michigan (the Site). These monitoring activities were performed in October and November 2007 in accordance with Section 2.7 of GM's report entitled *Migration of Contaminated Groundwater Under Control Environmental Indicator* (ENVIRON International Corporation, September 23, 2005) (CA 750 Report).

This report summarizes the scope of monitoring activities completed during the 2007 Annual Monitoring Event, the data collected, and the follow-up activities recommended in response to the resulting data.

On October 22 through 24, 2007, a groundwater elevation and light non-aqueous phase liquid (LNAPL) thickness monitoring event was completed. Groundwater elevation and LNAPL thickness data are summarized in Table 1. Groundwater elevation contour maps, prepared based on these data, are attached (Figures 1 and 2).

From October 25 through November 14, 2007, groundwater samples were collected from 42 monitoring wells. Groundwater samples were collected from 33 monitoring wells as outlined in the CA 750 Report (the CA 750 monitoring program) and from nine additional monitoring wells added to the program in accordance with GM's October 10, 2007 responses to the United States Environmental Protection Agency's (USEPA's) April 17, 2007, comments on GM's December 22, 2006 *Corrective Measures Proposal* (CMP). Table 2 provides a summary of the monitoring wells sampled during the 2007 Annual Monitoring Event, analytical parameters, and the owner of the property on which each monitoring well is located.

All monitoring wells were sampled using low-flow sampling methods in accordance with the *Field Sampling Plan* (FSP) (Blasland, Bouck, and Lee [BBL], 2005). The static groundwater level in each well was measured to the nearest hundredth of 1 foot using an electronic water-level probe prior to sampling (Table 1). Each well was purged until

measured field parameters (i.e., temperature, specific electrical conductivity, dissolved oxygen, oxidation/reduction potential, pH, and turbidity) stabilized. Field-measured data are summarized in Table 3. Groundwater samples were submitted to Merit Analytical Laboratories of East Lansing, Michigan, as specified in the FSP, and analyzed using the procedures specified in the *Quality Assurance Project Plan* (QAPP) (BBL, 2005). The analytical results were validated, as specified in the QAPP, by Conestoga-Rovers & Associates of Waterloo, Ontario. The associated *Data Validation Report* is included as Attachment 1.

The current and historical laboratory analytical results are summarized in Table 4 and shown on Figures 3 through 12. The results of the 2007 Annual Groundwater Sampling Event are generally consistent with historical concentration ranges, with the following exceptions:

- 20-500R: The concentration of benzene detected in monitoring well 20-500R (Note that "R" denotes a replacement well) increased from 0.025 mg/L in 2006 to 0.065 mg/L in 2007. Monitoring well 20-500R was installed as a replacement well for 20-500, and was first sampled in November 2006. Benzene had not been detected in monitoring well 20-500 at concentrations above Part 201 criteria. The Generic Industrial Drinking Water (IDW) screening criteria for benzene is 0.005 mg/L, as defined in Part 201 of the Michigan Natural Resources Environmental Protection Act of 1994 (Public Act 451), as amended (Part 201). In April 2007, downgradient monitoring wells RFI-36-09 and RFI-36-10 were sampled for VOCs, and benzene was not detected at either monitoring well. Analytical results for 20-500 and 20-500R are shown on Figure 4.

- RFI-36-48: Concentrations of vinyl chloride in monitoring well RFI-36-48 decreased from 0.064 mg/L in 2005 to 0.003 mg/L in September 2007. Monitoring well RFI-36-48 was not sampled in 2006 because of access issues. The analytical results for RFI-36-48 are shown on Figure 3.

- RFI-81-51: Trichloroethene was detected above Part 201 IDW criteria in monitoring well RFI-81-51 for the first time in October 2007, at a concentration of 0.025 mg/L. The Part 201 criterion for trichloroethene is 0.005 mg/L. Both cis-1,2-dichloroethene and vinyl chloride were also detected above their respective criteria, but at concentrations that are consistent with historical results. Groundwater in the area of RFI-81-51 is discharging locally to the sewer line.

- 87-FP4: Concentrations of trichloroethene detected in monitoring well 87-FP4 decreased from 0.023 mg/L in 2004 to 0.003 mg/L in 2007.

The following monitoring wells will be added to the next CA 750 Annual Monitoring Event to support the updated program to be proposed by GM in its revised CMP. The revised CMP is scheduled to be submitted to USEPA during April 2008.

- 40-303R, 40-304, RFI-16-04R will be sampled for Polychlorinated Biphenyls (PCBs) to monitor PCB concentrations near the Building 40 Tunnel.
- RFI-81-50 and 70-165 will be sampled for lead to monitor lead concentrations in AOI 81-02.
- RFI-81-51 will be sampled for PAL VOCs to monitor the downgradient of AOI 81-3.
- 87-FP-4 will be sampled for PAL VOCs to monitor the downgradient of AOI 86-1.
- 43-140 will be sampled for PAL VOCs to monitor TCE concentrations at AOI 05-6.

The next CA 750 Annual Monitoring Event will be performed during the third quarter of 2008. In the meantime, the first quarterly monitoring event for 2008; which includes a subset of the monitoring wells associated with the annual event, was conducted in March. It is important to note that this CA 750 Groundwater Monitoring Program will be superseded by the updated program per GM's revised CMP.

If you have any questions, please contact me.

Sincerely,

ARCADIS

Lisa R. Coffey, P.G.
Principal Geologist

Attachments:

Table 1 – Groundwater Elevation Data
Table 2 – October and November 2007 Groundwater Sample Collection Summary
Table 3 – Field Parameter Measurements
Table 4 – Groundwater Analytical Results

Figure 1 – Groundwater Elevation Contour Map – October 22 -23, 2007 North End
Figure 2 – Groundwater Elevation Contour Map – October 22 -23, 2007 South End
Figure 3 – Groundwater Analytical Data – Building 36 Area
Figure 4 – Groundwater Analytical Data – Building 20 Area
Figure 5 – Groundwater Analytical Data – Factory 5 (Building 43) Area
Figure 6 – Groundwater Analytical Data – Building 30 Area
Figure 7 – Groundwater Analytical Data – Factory 81 (Building 69, 70, 71, 72, 73, and 74) Area
Figure 8 – Groundwater Analytical Data – Building 07, 21, 85 and 86 Area

Figure 9 – Groundwater Analytical Data – Former Buildings 03, 17, 28, 84, and 94 Area
Figure 10 – Groundwater Analytical Data – Former Building 02, 12, 23, and 29 Area
Figure 11 – Groundwater Analytical Data – Former Building 04, 08, 16, 40 and 44 Area
Figure 12 – Groundwater Analytical Data – Former Building 09 Area

Attachment 1 – Data Validation Report

Copies:
Kurt Blizzard, GM (hard copy)
Jean Caufield, GM (hard copy)
Amanda Kurzman, GM (CD)
James Walle, GM (CD)
Peter Quackenbush and William Yocum, MDEQ (hard copy)
Stephen Song, ENVIRON (hard copy)
Derek Kaiding, ARCADIS (hard copy)
Flint Public Library, c/o Derek Kaiding (ARCADIS) (hard copy and CD)
Consumers Energy Company (CD)
City of Flint (CD)
PPG Industries, Inc. (CD)
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Tables

Table 1. Groundwater Elevation Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Well ID	Reference Point Elevation (feet)	LNAPL Density (extrapolated or measured)	October 22 - 24, 2007				
			Depth to LNAPL (feet)	LNAPL Thickness (feet)	Depth to Groundwater (feet)	Groundwater Elevation	Groundwater Elevation Corrected for LNAPL
04-4	NA	--		0.00	6.91	NA	--
03-105R3	747.76			0.00	8.24	739.52	--
03-3R	746.47	0.9	10.67	2.41	13.08	733.39	735.56
04-160	729.13	--		0.00	12.64	716.49	--
20-145	749.34	--		0.00	9.15	740.19	--
20-160	752.81	0.99		0.00	12.00	740.81	--
20-162	753.48	0.99	12.29	0.76	13.05	740.43	741.18
20-163R	750.58	0.99	10.44	3.76	14.20	736.38	740.10
20-168	753.44	0.99	13.02	2.26	15.28	738.16	740.40
20-500R	750.77	--		0.00	9.73	741.04	--
20-502	751.29	0.99	10.07	2.78	12.85	738.44	741.19
20-503	751.54	0.99	11.06	0.87	11.93	739.61	740.47
20-506	751.35	--		0.00	10.00	741.35	--
20-FP-10R	NA			0.00	7.09	NA	
20-FP-11R	744.09	--		0.00	4.50	739.59	--
20-FP5	748.82	--		0.00	8.29	740.53	--
20-FP-8	748.73	0.99	8.91	0.72	9.63	739.10	739.81
20-FP-9R	749.21			0.00	9.13	740.08	--
31-5	736.12	--		0.00	6.89	729.23	--
31-8	730.26	--		0.00	9.39	720.87	--
36 FP2	750.30	0.9	12.58	1.32	13.90	736.40	737.59
36 FP3	749.41	0.9	7.92	2.56	10.48	738.93	741.23
36 FP4	753.70	0.9		0.00	15.75	737.95	--
36 FP6	749.51	0.9		9.01	9.01	740.50	--
36 FP7	750.02	0.9	12.50	3.70	16.20	733.82	737.15
36 FP8	748.83	--		0.00	8.41	740.42	--
37-RW-NORTH	NA	0.9	10.71	0.13	10.84	NA	--
37-RW-SOUTH	NA			0.00	10.90	NA	--
40-07R2	735.37	0.92	12.32	2.50	14.82	720.55	722.85
40-3	737.01	--		0.00	13.64	723.37	--
40-303R	730.41	--		0.00	12.55	717.86	--
40-304	731.11	--		0.00	2.32	728.79	--
40-6R	735.00	--		0.00	5.02	729.98	--
43-140	750.14			0.00	10.21	739.93	--
43-161	750.19	0.92	9.45	0.87	10.32	739.87	740.67
43-165	749.41	0.92	7.18	1.07	8.25	741.16	742.14
43-166	747.97	--		0.00	7.09	740.88	--
43-167	748.43	--		0.00	7.72	740.71	--
43-242	753.64	--		0.00	12.59	741.05	--
55-1	753.43	--		0.00	11.68	741.75	--
55-2	753.06	--		0.00	10.95	742.11	--
70-101	742.68	0.91	4.34	1.19	5.53	737.15	738.23
70-103	743.78	0.91	4.92	1.67	6.59	737.19	738.71
70-105	743.58	--		0.00	4.90	738.68	--
70-107R	742.80	0.91	5.5	2.40	7.90	734.90	737.08
70-165	741.26			4.90	4.90	736.36	--
84-6R2-D	726.80	--		0.00	5.35	721.45	--
84-7-D	727.42	--		0.00	7.35	720.07	--
87-FP1	715.79	--		0.00	1.60	714.19	--
87-FP4	742.11			0.00	21.17	720.94	
87-FPD2	742.05	--		0.00	14.59	727.46	--
87-FPD3	742.05	--		0.00	24.85	717.20	--
88-7	742.20	--		0.00	2.20	740.00	--
BD01-01	744.29			0.00	24.77	719.52	--
MW-00-FP6	740.73	--		0.00	16.58	724.15	--

See Notes on Page 4.

Table 1. Groundwater Elevation Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Well ID	Reference Point Elevation (feet)	LNAPL Density (extrapolated or measured)	October 22 - 24, 2007				
			Depth to LNAPL (feet)	LNAPL Thickness (feet)	Depth to Groundwater (feet)	Groundwater Elevation	Groundwater Elevation Corrected for LNAPL
MW-16	713.53			0.00	3.22	710.31	--
MW-17	714.54			0.00	3.76	710.78	--
MW-18	714.33			0.00	4.09	710.24	--
MW-19	712.00			0.00	2.55	709.45	--
MW-25	722.38			0.00	5.23	717.15	--
RFI-02-05	738.88	--		0.00	2.67	736.21	--
RFI-02-07	735.06			0.00	2.16	732.90	--
RFI-02-08R	736.07	--		0.00	3.52	732.55	--
RFI-02-12	738.51	--		0.00	5.22	733.29	--
RFI-02-13	731.00			0.00	2.00	729.00	--
RFI-02-14	738.73	0.95	6.56	6.62	13.18	725.55	731.84
RFI-02-24	729.88			0.00	0.42	729.46	--
RFI-03-02	742.35	--		0.00	6.39	735.96	--
RFI-03-04	746.67	--		0.00	7.65	739.02	--
RFI-05-06	752.13	--		0.00	11.71	740.42	--
RFI-05-13	754.16	0.92	12.78	3.48	16.26	737.90	741.10
RFI-07-03	726.74	--		0.00	6.64	720.10	--
RFI-07-08	728.12	--		0.00	12.90	715.22	--
RFI-09-04R	725.95	--		0.00	15.10	710.85	--
RFI-09-14	724.44			0.00	5.76	718.68	--
RFI-09-40R	729.76	0.75	7.23	1.99	9.22	720.54	722.03
RFI-09-44	728.22	--		0.00	6.00	722.22	--
RFI-09-45R	729.76	--		0.00	6.72	723.04	--
RFI-09-46	723.07			0.00	9.03	714.04	--
RFI-09-48	719.69			0.00	10.40	709.29	--
RFI-09-49R	726.43	--		0.00	15.02	711.41	--
RFI-09-52	730.21	--		0.00	8.36	721.85	--
RFI-09-53	725.48	--		0.00	10.12	715.36	--
RFI-09-56	726.93	--		0.00	5.14	721.79	--
RFI-09-57	724.90	--		0.00	5.85	719.05	--
RFI-09-58	723.38	--		0.00	5.11	718.27	--
RFI-10-24	751.53			0.00	11.75	739.78	--
RFI-10-26	749.32			0.00	8.60	740.72	--
RFI-10-28	752.58			0.00	13.50	739.08	--
RFI-10-29	752.40			0.00	13.93	738.47	--
RFI-10-33	755.30			0.00	13.72	741.58	--
RFI-10-35	755.69			0.00	15.95	739.74	--
RFI-10-36	752.82			0.00	13.70	739.12	--
RFI-12-01R	741.98	0.93		0.00	5.09	736.89	--
RFI-12-02R	742.10	0.93	3.82	2.98	6.80	735.30	738.07
RFI-12-07R2	741.95	--		0.00	3.31	738.64	--
RFI-12-08 (Replaced)	742.08	0.93	12.21	0.47	12.68	729.40	729.84
RFI-12-09R	741.97	0.93	4.64	4.68	9.32	732.65	737.00
RFI-12-11D	742.09	0.93	8.02	7.38	15.40	726.69	733.55
RFI-12-11S	742.17	--		0.00	5.73	736.44	--
RFI-12-14R	742.20	--		0.00	5.30	736.90	--
RFI-12-15	742.13	--		0.00	4.61	737.52	--
RFI-12-21	741.50	--		0.00	10.10	731.40	--
RFI-12-22R	742.07	0.93		0.00	3.88	738.19	--
RFI-12-23	742.21	0.93	8.07	2.52	10.59	731.62	733.96
RFI-12-24	742.12	--		0.00	3.40	738.72	--
RFI-12-25	741.85	--		0.00	3.78	738.07	--
RFI-12-26	742.04	0.93		0.00	4.22	737.82	--
RFI-12-32	738.61	--		0.00	2.29	736.32	--
RFI-12-33	743.66	--		0.00	5.09	738.57	--

See Notes on Page 4.

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Well ID	Reference Point Elevation (feet)	LNAPL Density (extrapolated or measured)	October 22 - 24, 2007				
			Depth to LNAPL (feet)	LNAPL Thickness (feet)	Depth to Groundwater (feet)	Groundwater Elevation	Groundwater Elevation Corrected for LNAPL
RFI-12-34	744.02	--		0.00	5.32	738.70	--
RFI-12-35	743.83	0.93	6.22	1.17	7.39	736.44	737.53
RFI-12-38	742.39	0.93	5.18	0.74	5.92	736.47	737.16
RFI-12-40	741.47	--		0.00	5.26	736.21	--
RFI-12-41	741.56	--		0.00	3.70	737.86	--
RFI-16-04R	732.12	--		0.00	7.70	724.42	--
RFI-16-07	733.26	--		0.00	6.23	727.03	--
RFI-16-08	733.24	0.86	6.64	0.59	7.23	726.01	726.52
RFI-16-09	733.39	--		0.00	6.12	727.27	--
RFI-16-10	736.09	0.86	8.68	0.28	8.96	727.13	727.37
RFI-16-12	735.58	--		0.00	8.44	727.14	--
RFI-16-24	736.39	--		0.00	8.74	727.65	--
RFI-17-02	720.27	--		0.00	4.70	715.57	--
RFI-17-02D	720.36	--		0.00	4.66	715.70	--
RFI-23-01R	741.73	--		0.00	3.53	738.20	--
RFI-23-02R	740.08	--		0.00	3.14	736.94	--
RFI-36-04	756.14	0.83		0.00	17.82	738.32	--
RFI-36-05	755.07	0.83		0.00	17.98	737.09	--
RFI-36-06	755.29	0.83	16.52	2.10	18.62	736.67	738.41
RFI-36-12	753.52	0.83		0.00	11.73	741.79	--
RFI-36-13	751.81			0.00	10.83	740.98	--
RFI-36-14	750.00	--		0.00	8.61	741.39	--
RFI-36-19	753.31			0.00	15.63	737.68	--
RFI-36-29R	753.72	0.83	15.54	3.10	18.64	735.08	737.65
RFI-36-37	757.15	--		0.00	19.35	737.80	--
RFI-36-46	750.13	--		0.00	12.59	737.54	--
RFI-36-47	749.26			0.00	15.01	734.25	--
RFI-36-55	750.49			0.00	14.00	736.49	--
RFI-36-56	749.97			0.00	13.02	736.95	--
RFI-40-01R2	734.05	--		0.00	3.19	730.86	--
RFI-40-02R	735.34		7.69	1.98	9.67	725.67	725.67
RFI-40-03	735.33	--		0.00	7.88	727.45	--
RFI-40-04	728.15	--		0.00	3.31	724.84	--
RFI-40-07	729.35	0.92		0.00	1.85	727.50	--
RFI-40-09	731.85	--		0.00	9.61	722.24	--
RFI-40-10R	735.17	--		0.00	6.94	728.23	--
RFI-40-12R	743.12	0.92	9.70	0.02	9.72	733.40	733.42
RFI-40-13	731.92	--		0.00	9.30	722.62	--
RFI-40-15	732.18			0.00	2.48	729.70	--
RFI-55-01	751.85	--		0.00	8.84	743.01	--
RFI-55-02	752.88	--		0.00	10.59	742.29	--
RFI-55-12	752.26			0.00	8.87	743.39	--
RFI-81-03	745.70	--		0.00	14.64	731.06	--
RFI-81-08	741.43	--		0.00	9.01	732.42	--
RFI-81-33	736.94			0.00	5.36	731.58	--
RFI-81-35	743.23	--		0.00	12.62	730.61	--
RFI-81-45	742.87	--		0.00	6.45	736.42	--
RFI-81-50	740.60	--		0.00	4.64	735.96	--
RFI-81-51	742.35	--		0.00	13.31	729.04	--
RFI-83/84-01	741.34	--		0.00	1.44	739.90	--
RFI-83/84-29	742.76	--		0.00	12.67	730.09	--
RFI-83/84-54	746.41	--		0.00	8.39	738.02	--
RFI-84-03S	727.23	--		0.00	9.41	717.82	--
RFI-84-04D	727.08	--		0.00	9.26	717.82	--
RFI-84-04I	727.23	--		0.00	9.49	717.74	--

See Notes on Page 4.

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			Depth to LNAPL (feet)	LNAPL Thickness (feet)	Depth to Groundwater (feet)	Groundwater Elevation	Groundwater Elevation Corrected for LNAPL
RFI-84-05	726.63	--		0.00	4.60	722.03	--
RFI-84-06R	720.12	--		0.00	6.70	713.42	--
RFI-84-06RD	720.18	--		0.00	6.72	713.46	--
RFI-84-07	727.12	--		0.00	7.92	719.20	--
RFI-84-08	727.22	--		0.00	9.46	717.76	--
RFI-84-09D	719.27	--		0.00	8.36	710.91	--
RFI-84-09S	719.43	--		0.00	9.46	709.97	--
RFI-84-11S	721.97	--		0.00	3.61	718.36	--
RFI-85-02R	742.91	0.86		0.00	13.63	729.28	--
RFI-85-04R	745.95	--		0.00	14.35	731.60	--
RFI-85-05	745.95	--		0.00	20.97	724.98	--
RFI-86-01R	735.51	--		0.00	21.60	713.91	--
RFI-86-02	735.65	0.87	8.28	0.00	11.82	723.83	726.91
RFI-86-03	736.62	0.87	7.85	0.00	8.33	728.29	728.71
RFI-86-06D	737.21	--		0.00	21.60	715.61	--
RFI-86-06S	737.32	--		0.00	12.32	725.00	--
RFI-86-16R	731.76	--		0.00	16.35	715.41	--
RFI-94-08	727.44	--		0.00	13.96	713.48	--
RFI-94-11	719.54			0.00	6.71	712.83	--
RW-05 North	NA	--	13.30	2.11	15.41	NA	--

Notes:
NA = Not Available.
-- = Not Applicable; NAPL not present.

Table 2. 2007 Annual Groundwater Sample Collection Summary, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Sampling Location	Area of Interest (AOI)	Property	Constituents of Concern	Comments
RFI-03-04	3-1	GM	VOCs	
RFI-10-24	10-2	City of Flint	VOCs	
RFI-10-29	10-2	City of Flint	VOCs	
RFI-10-33	10-2	Crown Central	VOCs	
RFI-10-35	10-2	City of Flint	VOCs	
RFI-10-36	10-2	City of Flint	VOCs	
20-500R	10-3	GM	VOCs	
RFI-10-28	10-3	Crown Central	VOCs	
20-FP10R	10-4	GM	VOCs	
RFI-10-26	10-4	GM	VOCs	
RFI-02-12	02-B	GM	VOCs	
RFI-02-24	02-B	UPF	VOCs	
RFI-09-04R	09-A	GM	VOCs	
RFI-09-53	09-A	GM	VOCs	
MW-23	09-B	DuPont	VOCs	Monitoring well was inaccessible because of storage racks, monitoring well RFI-09-46 was sampled as a replacement location.
RFI-09-14	09-B	DuPont	VOCs	
RFI-09-46	09-B	DuPont	VOCs	Replacement location for MW-23.
RFI-09-48	09-B	City of Flint	VOCs	
RFI-12-32	12-A	GM	VOCs	Monitoring well was underwater at the time of sampling and a sample could not be collected.
RFI-12-35	12-A	GM	Metals	Measurable LNAPL was noted at the time of sampling; therefore, a groundwater sample was not collected. LNAPL presence/ thickness was monitored as part of the March 2008 monitoring event.
RFI-16-04R	16-C	GM	PCBs	

Table 2. 2007 Annual Groundwater Sample Collection Summary, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Sampling Location	Area of Interest (AOI)	Property	Constituents of Concern	Comments
RFI-17-02	17-A	GM	VOCs	
RFI-23-01R	23-A	GM	VOCs	
RFI-36-04	36-1	GM	VOCs	Monitoring well RFI-36-02 was sampled as a replacement location for RFI-36-04. The surface completion for RFI-36-04 had been damaged and the well could not be opened.
RFI-36-19	36-1	City of Flint	VOCs	
RFI-36-37	36-1	CSX	VOCs	
RFI-36-47	36-1	CSX	VOCs	
RFI-36-48	36-1	Consumers Power	VOCs	
RFI-36-55	36-1	City of Flint	VOCs	
RFI-36-56	36-1	City of Flint	VOCs	
RFI-36-14	36-5	GM	VOCs	
43-140	40-D	GM	VOCs	
40-303R	40-D	GM	PCBs	
40-304	40-D	GM	PCBs	
RFI-81-50	81-2	GM	VOCs	
70-165	81-2	GM	Lead	
RFI-81-50	81-2	GM	VOCs	
RFI-17-02D	84-D	GM	VOCs	
RFI-84-06R	84-D	GM	VOCs	
RFI-84-06RD	84-D	GM	VOCs	
RFI-84-09D	84-D	GM	VOCs	
RFI-84-09S	84-D	GM	VOCs	

Table 2. 2007 Annual Groundwater Sample Collection Summary, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Sampling Location	Area of Interest (AOI)	Property	Constituents of Concern	Comments
RFI-84-11S	84-D	GM	VOCs	Monitoring well was inadvertently not sampled, but was included in the March 2008 quarterly monitoring event.
RFI-86-16R	86-1	GM	VOCs	
87-FP4	86-1	GM	VOCs	
RFI-94-11	94-B	City of Flint	VOCs	

Table 3. Field Parameter Measurements, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Well ID	Date Sampled	pH (SU)	Temperature (ºC)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
20-500R	10/26/2007	7.32	18.14	8.993	1.4	-316.8	3.92
20-FP-10R	10/26/2007	7.9	17.96	3.159	0.98	180.6	4.80
40-303R	10/31/2007	7.26	15.2	0.772	0.18	-12.7	3.06
40-304	10/31/2007	7.82	16.78	0.21	0.18	-156.1	2.48
43-140	11/2/2007	7.15	17.2	3.898	0.55	52.3	2.55
70-165	10/29/2007	7.29	16.7	1.046	1.04	-95.1	2.59
87-FP-4	11/2/2007	7.12	17.42	1.156	3.22	145.4	1.52
RFI-02-12	10/31/2007	7.29	18.33	0.603	0.3	-100	4.80
RFI-02-24	11/1/2007	7.18	16.7	0.278	0.15	87.8	1.18
RFI-03-04	11/2/2007	7.42	16.81	1.788	0.19	-172	4.67
RFI-09-04R	11/14/2007	7.87	16.9	1.87	1.6	19	4.06
RFI-09-14	11/1/2007	6.72	15.87	0.294	0.68	158	3.30
RFI-09-46	10/26/2007	7.05	14.66	3.794	0.39	-159.2	3.92
RFI-09-48	11/1/2007	6.93	15.59	1.82	0.22	-73.4	1.32
RFI-09-53	11/14/2007	7.83	15.45	1.167	0.28	40	5.17
RFI-10-24	10/25/2007	7.03	13.04	1.603	3.35	87.5	0.68
RFI-10-26	10/26/2007	7.67	15.59	0.719	NA	-18.8	1.68
RFI-10-28	10/25/2007	6.99	14.35	0.861	2.81	70.1	0.83
RFI-10-29	10/25/2007	6.82	12.65	0.758	1.54	-26.8	0.45
RFI-10-33	10/25/2007	7.26	15.08	0.686	3.58	33.1	0.75
RFI-10-35	10/25/2007	7.08	15.07	1.209	3.8	79.2	1.27
RFI-10-36	10/25/2007	7.1	13.31	1.844	3.39	-6.1	0.60
RFI-16-04R	10/31/2007	6.95	17.34	1.216	0.42	-51.9	0.84
RFI-17-02	10/26/2007	6.89	18.5	1.492	0.37	-61	3.11
RFI-17-02D	10/26/2007	7.24	16.66	1.671	0.42	-136.4	2.81
RFI-23-01R	10/31/2007	7.34	17.69	0.492	0.87	86	0.56
RFI-36-02	11/14/2007	7.8	16.58	2.83	0.4	-152	5.47
RFI-36-14	10/26/2007	7.06	16.82	4.049	3.16	-57.4	1.54
RFI-36-19	10/30/2007	6.86	12.84	0.559	2.65	99.4	0.32
RFI-36-37	10/30/2007	7.23	15.8	0.686	6.28	9.4	1.93
RFI-36-47	10/30/2007	6.88	13.09	1.251	3.9	-40.2	2.11
RFI-36-48	9/30/2007	6.88	12.11	1.01	2.01	59.2	3.00
RFI-36-55	10/30/2007	6.9	13.54	0.906	0.59	-30.1	4.48
RFI-36-56	10/30/2007	7.01	12.73	0.485	0.74	45.2	3.91
RFI-81-50	10/31/2007	7.41	15.76	0.387	1.43	75.4	1.38
RFI-81-51	10/29/2007	7.36	16.16	5.397	1.23	-46.9	7.40
RFI-84-06R	10/26/2007	8.16	16.93	1.924	0.56	-61.7	0.52
RFI-84-06RD	10/26/2007	7.47	15.02	8.613	0.87	-123.8	1.97
RFI-84-09D	10/26/2007	7.09	16.68	2.765	0.29	-116.4	1.81
RFI-84-09S	10/26/2007	6.96	18.33	2.033	0.86	-119.9	1.36
RFI-86-16R	10/29/2007	7.56	17.13	0.559	4.26	-62.1	15.60
RFI-94-11	11/2/2007	6.8	16.6	3.008	0.26	-38.3	2.44

Notes:
ºC = Celsius.
mg/L = milligrams per Liter.
mV = millivolts.
NA = Not Available.
NTUs = Nephelometric Turbidity Units.
SU = Standard Units.
mS/cm = milliSiemens per centimeter.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)	Groundwater Contact Criteria (GCC)	Groundwater Surface Water Interface (GSI)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA)	Residential & Commercial I Drinking Water Criteria (RDW)
VOC								
1,1,1-Trichloroethane	mg/L	{ID}	1,300 {S}	1,300 {S}	0.2	0.2 {A}	1,300 {S}	0.2 {A}
1,1,2,2-Tetrachloroethane	mg/L	{ID}	{ID}	4.7	0.078 {X}	0.035	77	0.0085
1,1,2-Trichloroethane	mg/L	{NA}	{ID}	21	0.33 {X}	0.005 {A}	110	0.005 {A}
1,1-Dichloroethane	mg/L	380	{ID}	2,400	0.74	2.5	2,300	0.88
1,1-Dichloroethene	mg/L	97 {I}	140 {I}	11 {I}	0.065 {I,X}	0.007 {I,A}	1.3 {I}	0.007 {I,A}
1,2,4-Trichlorobenzene	mg/L	{NA}	300 {S}	19	0.03	0.07 {A}	300 {S}	0.07 {A}
1,2,4-Trimethylbenzene	mg/L	56 {I,S}	{ID}	56 {I,S}	0.017 {I}	2.9 {I,E}	56 {I,S}	1 {I,E}
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	{NA}	{ID}	0.39	{NA}	0.0002 {A}	1.2 {S}	0.0002 {A}
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	{ID}	{ID}	0.025	0.0002 {X}	0.00005 {A}	15	0.00005 {A}
1,2-Dichlorobenzene	mg/L	{NA}	160 {S}	160 {S}	0.016	0.6 {A}	160 {S}	0.6 {A}
1,2-Dichloroethane	mg/L	2,500 {I}	{ID}	19 {I}	0.36 {I,X}	0.005 {I,A}	59 {I}	0.005 {I,A}
1,2-Dichloropropane	mg/L	550 {I}	2,800 {I,S}	16 {I}	0.29 {I,X}	0.005 {I,A}	36 {I}	0.005 {I,A}
1,3,5-Trimethylbenzene	mg/L	{ID}	{ID}	61 {I,S}	0.045 {I}	2.9 {I,E}	61 {I,S}	1 {I,E}
1,3-Dichlorobenzene	mg/L	{ID}	{ID}	2	0.038	0.019	{ID}	0.0066
1,4-Dichlorobenzene	mg/L	{NA}	{ID}	6.4	0.013	0.075 {A}	74 {S}	0.075 {A}
2-Butanone (Methyl Ethyl Ketone)	mg/L	{ID}	240,000 {I,S}	240,000 {I,S}	2.2 {I}	38 {I}	240,000 {I,S}	13 {I}
2-Hexanone	mg/L	{NA}	{ID}	5,200	{NA}	2.9	8,700	1
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	{ID}	20,000 {I,S}	13,000 {I}	{ID}	5.2 {I}	20,000 {S}	1.8 {I}
Acetone	mg/L	15,000 {I}	1,000,000 {I,D}	31,000 {I}	1.7 {I}	2.1 {I}	1,000,000 {I,D,S}	0.73 {I}
Benzene	mg/L	68 {I}	67 {I}	11 {I}	0.2 {I,X}	0.005 {I,A}	35 {I}	0.005 {I,A}
Bromodichloromethane	mg/L	{ID}	{ID}	14	{ID}	0.08 {A,W}	37	0.08 {AW}
Bromoform	mg/L	{ID}	{ID}	140	{ID}	0.08 {A,W}	3,100 {S}	0.08 {AW}
Bromomethane (Methyl Bromide)	mg/L	{ID}	{ID}	70	0.035	0.029	9	0.01
Carbon disulfide	mg/L	13 {I,R}	{ID}	1,200 {I,R,S}	{ID}	2.3 {I,R}	550 {I,R}	0.8 {I,R}
Carbon tetrachloride	mg/L	{ID}	96	4.6	0.045 {X}	0.005 {A}	2.4	0.005 {A}
Chlorobenzene	mg/L	160 {I}	{ID}	86 {I}	0.047 {I}	0.1 {I,A}	470 {I,S}	0.1 {I,A}
Chloroethane	mg/L	110	{ID}	440	{ID}	1.7	5,700 {S}	0.43
Chloroform (Trichloromethane)	mg/L	{ID}	{ID}	150	0.17 {X}	0.08 {A,W}	180	0.08 {A,W}
Chloromethane (Methyl Chloride)	mg/L	36 {I}	210 {I}	490 {I}	{ID}	1.1 {I}	45 {I}	0.26 {I}
cis-1,2-Dichloroethene	mg/L	530	{ID}	200	0.62	0.07 {A}	210	0.07 {A}
cis-1,3-Dichloropropene	mg/L	- -	- -	- -	- -	- -	- -	- -
Cyclohexane	mg/L	- -	- -	- -	- -	- -	- -	- -
Dibromochloromethane	mg/L	{ID}	{ID}	18	{ID}	0.08 {A,W}	110	0.08 {A,W}
Dichlorodifluoromethane (CFC-12)	mg/L	{ID}	{ID}	300 {S}	{ID}	4.8	300 {S}	1.7
Ethylbenzene	mg/L	43 {I}	170 {I,S}	170 {I,S}	0.018 {I}	0.7 {I,E}	170 {I,S}	0.7 {I,E}
Isopropylbenzene	mg/L	29	{ID}	56 {S}	{ID}	2.3	56 {S}	0.8
m&p-Xylene	mg/L	- -	- -	- -	- -	- -	- -	- -
Methyl acetate	mg/L	- -	- -	- -	- -	- -	- -	- -

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)	Groundwater Contact Criteria (GCC)	Groundwater Surface Water Interface (GSI)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA)	Residential & Commercial I Drinking Water Criteria (RDW)
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	- -	- -	- -	- -	- -	- -	- -
Methyl Tert Butyl Ether	mg/L	{ID}	{ID}	610	0.73 {X}	0.69 {E}	47,000 {S}	0.24 {E}
Methylene chloride	mg/L	{ID}	{ID}	220	0.94 {X}	0.005 {A}	1,400	0.005 {A}
o-Xylene	mg/L	- -	- -	- -	- -	- -	- -	- -
Styrene	mg/L	140	310 {S}	9.7	0.08	0.1 {A}	310 {S}	0.1 {A}
Tetrachloroethene	mg/L	{ID}	200 {S}	12	0.045 {X}	0.005 {A}	170	0.005 {A}
Toluene	mg/L	61 {I}	{ID}	530 {I,S}	0.14 {I}	1 {I,E}	530 {I,S}	1 {I,E}
trans-1,2-Dichloroethene	mg/L	230	{ID}	220	1.5	0.1 {A}	200	0.1 {A}
trans-1,3-Dichloropropene	mg/L	- -	- -	- -	- -	- -	- -	- -
Trichloroethene	mg/L	{ID}	1,100 {S}	22	0.2 {X}	0.005 {A}	97	0.005 {A}
Trichlorofluoromethane (CFC-11)	mg/L	{ID}	1,100 {S}	1,100 {S}	{NA}	7.3	1,100 {S}	2.6
Trifluorotrichloroethane (Freon 113)	mg/L	{ID}	170 {S}	170 {S}	0.032	170 {S}	170 {S}	170 {S}
Vinyl chloride	mg/L	33	{ID}	1	0.015	0.002 {A}	13	0.002 {A}
Xylenes (total)	mg/L	70 {I}	190 {I,S}	190 {I,S}	0.035 {I}	10 {I,E}	190 {I,S}	10 {I,E}
PCB								
Aroclor-1016 (PCB-1016)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1221 (PCB-1221)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1232 (PCB-1232)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1242 (PCB-1242)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1248 (PCB-1248)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1254 (PCB-1254)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1260 (PCB-1260)	mg/L	- -	- -	- -	- -	- -	- -	- -
Total PCBs	mg/L	{ID}	{ID}	0.0033 {J,T,AA}	0.0002 {J,T,M}	0.0005 {J,T,A}	0.045 {J,T,S}	0.0005 {J,T,A}
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	- -	- -	- -	- -	- -	- -	- -
Total PCBs (Dissolved)	mg/L	{ID}	{ID}	0.0033 {J,T,AA}	0.0002 {J,T,M}	0.0005 {J,T,A}	0.045 {J,T,S}	0.0005 {J,T,A}
Inorganic								
Lead	mg/L	{ID}	{ID}	{ID}	0.0309 {B,G,X}	0.004 {B,L}	{NLV}	0.004 {B,L}
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	{ID}	{ID}	{ID}	0.0309 {B,G,X}	0.004 {B,L}	{NLV}	0.004 {B,L}

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA)	20-500 09/21/01	20-500 06/14/02	20-500 03/26/03	20-500R 11/02/06	20-500R 10/26/07	20-FP10 09/25/01
VOC								
1,1,1-Trichloroethane	mg/L	660	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	12	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010 J)
1,1,2-Trichloroethane	mg/L	17	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	1,000	0.00065 J	ND(0.0010)	0.0012	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	0.2 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	300 {S}	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0020)	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	56 {I,S}	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	1.2 {S}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	2.4	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	160 {S}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	9.6 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	16 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	61 {I,S}	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	{ID}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	16	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	240,000 {I,S}	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.10 J)	ND(0.020)	ND(0.025)
2-Hexanone	mg/L	4,200	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.30 J)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	20,000 {I,S}	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.050)
Acetone	mg/L	1,000,000 {I,D,S}	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.10 J)	ND(0.020)	ND(0.025)
Benzene	mg/L	5.6 {I}	0.0047	0.0013	0.0017	0.025 (IDW,RDW)	0.065 (IDW,RDW)	0.0061 (IDW,RDW)
Bromodichloromethane	mg/L	4.8	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	470	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	4	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0020)	ND(0.0010)
Carbon disulfide	mg/L	250 {I,R}	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.030)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	0.37	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	210 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	5,700 {S}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010 J)
Chloroform (Trichloromethane)	mg/L	28	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	8.6 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	93	ND(0.0010)	ND(0.0010)	0.012	ND(0.0050)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	- -	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050 J)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	- -	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0080)	0.0013 J
Dibromochloromethane	mg/L	14	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	220	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	110 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.43	0.13	ND(0.0010)
Isopropylbenzene	mg/L	56 {S}	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.33	0.25	ND(0.0050)
m&p-Xylene	mg/L	- -	ND(0.0020)	ND(0.0020)	ND(0.0020)	0.074	0.014	ND(0.0020)
Methyl acetate	mg/L	- -	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.010)	ND(0.0050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA)	20-500 09/21/01	20-500 06/14/02	20-500 03/26/03	20-500R 11/02/06	20-500R 10/26/07	20-FP10 09/25/01
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	- -	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.010 J	0.020 J	ND(0.0010)
Methyl Tert Butyl Ether	mg/L	47,000 {S}	0.00068 J	ND(0.0050)	ND(0.0050)	ND(0.030)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	220	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.030)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	- -	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0040 J	0.00080 J	ND(0.0010)
Styrene	mg/L	170	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	25	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010 J)
Toluene	mg/L	530 {I,S}	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00090 J	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	85	ND(0.0010)	ND(0.0010)	0.0020	ND(0.0050)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	- -	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	15	ND(0.0010)	ND(0.0010)	0.0042	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	1,100 {S}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	170 {S}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.20)	ND(0.030)	ND(0.0010)
Vinyl chloride	mg/L	1.1	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	190 {I,S}	ND(0.0020)	ND(0.0020)	ND(0.0020)	0.078 J	0.015 J	ND(0.0020)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1221 (PCB-1221)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1232 (PCB-1232)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1242 (PCB-1242)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1248 (PCB-1248)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1254 (PCB-1254)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1260 (PCB-1260)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Total PCBs	mg/L	0.045 {J,T,S}	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	- -	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Total PCBs (Dissolved)	mg/L	0.045 {J,T,S}	ND(0.00011)	NA	NA	NA	NA	ND(0.00011)
Inorganic								
Lead	mg/L	{NLV}	NA	NA	0.0013	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	{NLV}	ND(0.00040)	NA	NA	NA	NA	ND(0.00040)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	20-FP10 02/22/02	20-FP10 11/02/06	20-FP10R 10/26/07	40-303R 12/07/01	40-303R 06/24/02	40-303R 03/27/03	40-303R 10/05/04	40-303R 10/31/07
VOC									
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2,4-Trichlorobenzene	mg/L	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0020)	NA
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.025)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.025 J)	ND(0.025)	ND(0.030)	NA
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.0010)	NA
Acetone	mg/L	ND(0.025)	ND(0.020)	ND(0.020)	0.0076 J	ND(0.025)	ND(0.025)	ND(0.030)	NA
Benzene	mg/L	ND(0.0022)	0.00030 J	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	NA
Bromomethane (Methyl Bromide)	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020 J)	NA
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050 J)	NA
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	NA
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	0.0030	0.0020	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Cyclohexane	mg/L	ND(0.0050)	ND(0.0010)	0.00040 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Isopropylbenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)	NA
m&p-Xylene	mg/L	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
Methyl acetate	mg/L	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.010)	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: / Date Collected:	Units	20-FP10 02/22/02	20-FP10 11/02/06	20-FP10R 10/26/07	40-303R 12/07/01	40-303R 06/24/02	40-303R 03/27/03	40-303R 10/05/04	40-303R 10/31/07
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)	NA
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	0.0020	0.00057 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.0010)	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.030)	NA
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Xylenes (total)	mg/L	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	NA
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
Total PCBs	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	ND(0.00010)
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	NA	0.0066 (IDW,RDW)	0.0027	0.0016	ND(0.0030)	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	NA	NA	ND(0.00040)	NA	NA	ND(0.0030)	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	40-304 09/14/01	40-304 12/17/02	40-304 03/21/03	40-304 10/06/04	40-304 10/31/07	43-140 09/26/01
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0014	0.0011	ND(0.0010)	0.0010 J	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0020)	NA	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.0020 J	0.0046 J	ND(0.025)	ND(0.030)	NA	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050 J)	NA	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.0010)	NA	ND(0.050)
Acetone	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	0.0070 J	NA	ND(0.025)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00030 J	NA	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	NA	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0020 J)	NA	ND(0.0010)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	NA	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	NA	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.012	0.0049	0.0083	0.0070	NA	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Cyclohexane	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)	NA	ND(0.0050)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)	NA	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	NA	ND(0.0020)
Methyl acetate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.010)	NA	ND(0.0050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	40-304 09/14/01	40-304 12/17/02	40-304 03/21/03	40-304 10/06/04	40-304 10/31/07	43-140 09/26/01
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)	NA	ND(0.0010)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00020 J	NA	0.025 (IDW,RDW)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.030)	NA	ND(0.0010)
Vinyl chloride	mg/L	0.0049 (IDW,RDW)	0.0053 (IDW,RDW)	0.0017	0.0050 (IDW,RDW)	NA	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	NA	ND(0.0020)
PCB							
Aroclor-1016 (PCB-1016)	mg/L	ND(0.00011)	NA	NA	NA	ND(0.00010)	ND(0.00010)
Aroclor-1221 (PCB-1221)	mg/L	ND(0.00011)	NA	NA	NA	ND(0.00010)	ND(0.00010)
Aroclor-1232 (PCB-1232)	mg/L	ND(0.00011)	NA	NA	NA	ND(0.00010)	ND(0.00010)
Aroclor-1242 (PCB-1242)	mg/L	ND(0.00011)	NA	NA	NA	ND(0.00010)	ND(0.00010)
Aroclor-1248 (PCB-1248)	mg/L	ND(0.00015)	NA	NA	NA	ND(0.00010)	ND(0.00010)
Aroclor-1254 (PCB-1254)	mg/L	0.00015	NA	NA	NA	ND(0.00010)	ND(0.00010)
Aroclor-1260 (PCB-1260)	mg/L	ND(0.00011)	NA	NA	NA	ND(0.00010)	ND(0.00010)
Total PCBs	mg/L	0.00015	NA	NA	NA	ND(0.00010)	ND(0.00010)
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	ND(0.00028)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)
Total PCBs (Dissolved)	mg/L	ND(0.00028)	NA	NA	NA	NA	ND(0.00010)
Inorganic							
Lead	mg/L	NA	NA	NA	ND(0.0030)	NA	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	ND(0.00040)	NA	NA	NA	NA	ND(0.00040)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	43-140 06/12/02	43-140 04/03/03	43-140 10/12/04	43-140 11/02/07	70-165 09/26/01	70-165 06/22/02	70-165 03/28/03
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,2,4-Trichlorobenzene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0020)	ND(0.010)	ND(0.0050)	NA	NA
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.025)	ND(0.025)	ND(0.030)	ND(0.10)	ND(0.025)	NA	NA
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.30)	ND(0.050)	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.050)	ND(0.050)	ND(0.0010)	ND(0.050)	ND(0.050)	NA	NA
Acetone	mg/L	ND(0.025)	ND(0.025)	ND(0.030)	ND(0.10)	ND(0.025)	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0050)	ND(0.0010)	NA	NA
Bromomethane (Methyl Bromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0020 J)	ND(0.010)	ND(0.0010 J)	NA	NA
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.030)	ND(0.0050)	NA	NA
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0050)	ND(0.0010)	NA	NA
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
cis-1,2-Dichloroethene	mg/L	0.00076 J	0.0033	0.0040	0.0020 J	ND(0.0010)	NA	NA
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Cyclohexane	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Isopropylbenzene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	NA	NA
m&p-Xylene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0050)	ND(0.0020)	NA	NA
Methyl acetate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.050)	ND(0.0050)	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	43-140 06/12/02	43-140 04/03/03	43-140 10/12/04	43-140 11/02/07	70-165 09/26/01	70-165 06/22/02	70-165 03/28/03
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.10)	ND(0.0010)	NA	NA
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.030)	ND(0.0050)	NA	NA
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	0.00040 J	ND(0.030)	ND(0.0050)	NA	NA
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Trichloroethene	mg/L	0.058 (IDW,RDW)	0.22 D (IDW,RDW)	0.25 (IDW,RDW)	0.21 (IDW,RDW)	ND(0.0010)	NA	NA
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.030)	ND(0.20)	ND(0.0010 J)	NA	NA
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	NA
Xylenes (total)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0050)	ND(0.0020)	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00012)	NA	NA
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	0.00023 J	0.027 (IDW,RDW)
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	0.019 (IDW,RDW)	ND(0.00040)	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	70-165 10/07/04	70-165 10/29/07	87-FP4 10/06/04	87-FP4 11/02/07	RFI-02-12 03/26/03	RFI-02-12 10/05/04
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010)	NA	0.00030 J	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1,2-Trichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	NA	ND(0.0020)	ND(0.0020)	NA	ND(0.0020) [ND(0.0020)]
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichloropropane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	NA	ND(0.030)	ND(0.020)	NA	0.0070 J [0.0070 J]
2-Hexanone	mg/L	ND(0.050)	NA	ND(0.050 J)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.010)	NA	ND(0.0010) [ND(0.0010)]
Acetone	mg/L	ND(0.030)	NA	ND(0.030)	ND(0.020)	NA	2.0 (RDW) [2.4 EJ (IDW,RDW)]
Benzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010 J)	NA	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010 J) [ND(0.0010 J)]
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J)	NA	ND(0.0020 J)	ND(0.0020)	NA	ND(0.0020 J) [ND(0.0020 J)]
Carbon disulfide	mg/L	ND(0.0050 J)	NA	ND(0.0050)	ND(0.0050)	NA	ND(0.0050 J) [ND(0.0050 J)]
Carbon tetrachloride	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Chlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0010 J)	NA	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010 J) [ND(0.0010 J)]
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	NA	0.00040 J	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	NA	0.0010	0.0020	NA	ND(0.0010) [ND(0.0010)]
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Dibromochloromethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010 J)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010 J)]
Ethylbenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Isopropylbenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
m&p-Xylene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Methyl acetate	mg/L	ND(0.010)	NA	ND(0.010)	ND(0.010)	NA	0.0070 J [0.0070 J]

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	70-165 10/07/04	70-165 10/29/07	87-FP4 10/06/04	87-FP4 11/02/07	RFI-02-12 03/26/03	RFI-02-12 10/05/04
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.020)	NA	ND(0.020)	ND(0.020)	NA	ND(0.020) [0.00020 J]
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
Methylene chloride	mg/L	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
o-Xylene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Styrene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	0.00010 J	NA	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Trichloroethene	mg/L	ND(0.0010)	NA	0.023 (IDW,RDW)	0.0030	NA	ND(0.0010) [ND(0.0010)]
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	NA	ND(0.030)	ND(0.030)	NA	ND(0.030) [ND(0.030)]
Vinyl chloride	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Xylenes (total)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
PCB							
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Inorganic							
Lead	mg/L	0.055 (IDW,RDW)	0.054 (IDW,RDW)	NA	NA	ND(0.00040)	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-02-12 02/24/05	RFI-02-12 11/01/06	RFI-02-12 10/31/07	RFI-02-24 04/05/05	RFI-02-24 12/08/05	RFI-02-24 06/27/07	RFI-02-24 11/01/07
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.00060 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.14 J	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.010)	ND(0.010)
Acetone	mg/L	47 Y (IDW,RDW)	ND(0.020)	ND(0.020)	ND(0.030 J)	ND(0.030) [ND(0.030)]	ND(0.020)	ND(0.020)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	R	ND(0.0020)	ND(0.0020)	R	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00080 J	0.00080 J [0.00080 J]	0.0010	0.00030 J
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	0.18	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-02-12 02/24/05	RFI-02-12 11/01/06	RFI-02-12 10/31/07	RFI-02-24 04/05/05	RFI-02-24 12/08/05	RFI-02-24 06/27/07	RFI-02-24 11/01/07
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-03-04 09/21/01	RFI-03-04 06/13/02	RFI-03-04 11/02/07	RFI-09-04 11/28/01	RFI-09-04R 06/24/02	RFI-09-04R 03/24/03
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	0.0016 [0.0017]	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010 J)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0050)	NA	ND(0.0020)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.025)	NA	ND(0.020)	ND(0.025) [ND(0.025)]	ND(0.025 J)	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	NA	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.050)	NA	ND(0.010)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.025)	NA	ND(0.020)	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)
Benzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0010)	NA	ND(0.0020)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010 J)
Carbon disulfide	mg/L	ND(0.0050)	NA	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050 J)
Carbon tetrachloride	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	0.0011 [0.0012]	0.00098 J	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0050)	NA	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromochloromethane	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0050)	NA	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0020)	NA	ND(0.0010)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Methyl acetate	mg/L	ND(0.0050)	NA	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-03-04 09/21/01	RFI-03-04 06/13/02	RFI-03-04 11/02/07	RFI-09-04 11/28/01	RFI-09-04R 06/24/02	RFI-09-04R 03/24/03
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.0010)	NA	ND(0.020)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	NA	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	NA	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	NA	ND(0.0010)	0.0093 (IDW,RDW) [0.0093 (IDW,RDW)]	0.0067 (IDW,RDW)	0.0055 (IDW,RDW)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	NA	ND(0.0010)	0.014 [0.013]	0.0040	0.0096
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.0010)	NA	ND(0.030)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Vinyl chloride	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0020)	NA	ND(0.0010)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
PCB							
Aroclor-1016 (PCB-1016)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
Total PCBs	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00010)]	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Total PCBs (Dissolved)	mg/L	ND(0.00010)	NA	NA	ND(0.00011) [ND(0.00011)]	NA	NA
Inorganic							
Lead	mg/L	NA	0.00040 J	NA	ND(0.00040) [ND(0.00040)]	NA	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	ND(0.00040)	NA	NA	ND(0.00040) [ND(0.00040)]	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-04R 10/05/04	RFI-09-04R 06/08/05	RFI-09-04R 11/01/06	RFI-09-04R 11/14/07	RFI-09-14 10/03/01	RFI-09-14 06/26/02	RFI-09-14 03/31/03
VOC								
1,1,1-Trichloroethane	mg/L	0.00030 J	0.00030 J	0.00060 J	0.00060 J	ND(0.0010)	NA	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	NA	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010 J)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	NA	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050)	NA	ND(0.050)
Acetone	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	NA	0.047
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	NA	ND(0.0010)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)
Carbon tetrachloride	mg/L	0.00030 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.0020	0.0010	0.0020	0.0010	ND(0.0010)	NA	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0050)	NA	ND(0.0050)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	NA	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	NA	ND(0.0020)
Methyl acetate	mg/L	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	NA	ND(0.0050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-04R 10/05/04	RFI-09-04R 06/08/05	RFI-09-04R 11/01/06	RFI-09-04R 11/14/07	RFI-09-14 10/03/01	RFI-09-14 06/26/02	RFI-09-14 03/31/03
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0010)	NA	ND(0.0010)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010 J)	NA	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Trichloroethene	mg/L	0.011 (IDW,RDW)	0.0090 (IDW,RDW)	0.012 (IDW,RDW)	0.010 (IDW,RDW)	ND(0.0010)	NA	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	0.0050	0.0050 J	0.0040	0.0030	ND(0.0010)	NA	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	NA	ND(0.0010)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	NA	ND(0.0020)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Lead	mg/L	ND(0.0030)	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00040)	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-14 10/04/04	RFI-09-14 12/08/05	RFI-09-14 06/27/07	RFI-09-14 11/01/07	RFI-09-46 12/19/02	RFI-09-46 04/01/03
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025) [ND(0.025)]	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050) [ND(0.050)]	ND(0.050)
Acetone	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	0.0061 J [0.0052 J]	ND(0.025)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.70 D(GSI,IDW,RDW) [0.68 D(GSI,IDW,RDW)]	0.50 D(GSI,IDW,RDW)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Carbon disulfide	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00057 J [ND(0.0050)]	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.17 D [0.16 D]	0.16 D
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0019 [0.0018]	0.0016
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.017 [0.016]	0.015
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.045 [0.043]	0.038
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-14 10/04/04	RFI-09-14 12/08/05	RFI-09-14 06/27/07	RFI-09-14 11/01/07	RFI-09-46 12/19/02	RFI-09-46 04/01/03
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	0.049 [0.045]	0.048
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00061 J [0.00059 J]	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0082 [0.0078]	0.0067
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.019 [0.018]	0.016
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.053(GSI) [0.051(GSI)]	0.045(GSI)
PCB							
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Inorganic							
Lead	mg/L	NA	NA	NA	NA	0.00048 J [ND(0.00040)]	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-46 10/05/04	RFI-09-46 06/27/07	RFI-09-46 10/26/07	RFI-09-48 04/24/03	RFI-09-48 10/06/04	RFI-09-48 02/24/05	RFI-09-48 12/08/05	RFI-09-48 11/01/06
VOC									
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0020)	NA	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.030)	NA	ND(0.030)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.0010)	NA	ND(0.0010)	ND(0.010)
Acetone	mg/L	0.060 J	ND(0.040)	ND(0.020)	0.0019 J	ND(0.030)	NA	ND(0.030)	ND(0.020)
Benzene	mg/L	0.049 (IDW,RDW)	0.034 (IDW,RDW)	0.17 (IDW,RDW)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	NA	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0020 J)	NA	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	NA	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	NA	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0030)	ND(0.0040)	ND(0.013)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	0.12 J	0.098	0.14	ND(0.0050)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010 J)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	0.00040 J	0.00030 J	0.00060 J	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	0.0090	0.0070	0.011	ND(0.0050)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	0.016 J	0.0080	0.012	ND(0.0020)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	NA	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-46 10/05/04	RFI-09-46 06/27/07	RFI-09-46 10/26/07	RFI-09-48 04/24/03	RFI-09-48 10/06/04	RFI-09-48 02/24/05	RFI-09-48 12/08/05	RFI-09-48 11/01/06
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	0.040	0.030	0.040	ND(0.0010)	ND(0.020)	NA	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	0.00090 J	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	0.0030	0.0020	0.0040	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Toluene	mg/L	0.0060	0.0040	0.0070	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.030)	NA	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	0.019 J	0.010	0.016	ND(0.0020)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	NA	0.00021 J	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-48 04/23/07	RFI-09-48 06/27/07	RFI-09-48 11/01/07	RFI-09-53 04/07/05	RFI-09-53 06/08/05
VOC						
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.050	0.26 (IDW,RDW)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.015	0.035
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00060 J	0.0040 J
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.010)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.030)	ND(0.10)
2-Hexanone	mg/L	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.30)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0010)	ND(0.0050)
Acetone	mg/L	ND(0.020 J)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.030 J)	ND(0.10)
Benzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00030 J	ND(0.0050)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Bromoform	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	R	ND(0.010)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.030)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00030 J	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0020	0.0030 J
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.012	0.011
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Methyl acetate	mg/L	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-48 04/23/07	RFI-09-48 06/27/07	RFI-09-48 11/01/07	RFI-09-53 04/07/05	RFI-09-53 06/08/05
VOC (Cont'd.)						
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	0.00020 J	ND(0.10)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050 J)	ND(0.030)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.030)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Styrene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Toluene	mg/L	0.00020 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00030 J	ND(0.0050)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.035 (IDW,RDW)	0.18 (IDW,RDW)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.030)	0.00050 J	ND(0.20)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0010 J	ND(0.0050)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)
PCB						
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA
PCB-Dissolved						
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA
Inorganic						
Lead	mg/L	NA	NA	NA	NA	NA
Inorganic-Dissolved						
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-53 11/01/06	RFI-09-53 11/14/07	RFI-10-24 02/20/02	RFI-10-24 06/25/02	RFI-10-24 03/26/03	RFI-10-24 10/06/04
VOC							
1,1,1-Trichloroethane	mg/L	0.15 [0.13]	0.13	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.028 [0.026]	0.028	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	0.0020 [0.0020]	0.0020	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.030)
2-Hexanone	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.0010)
Acetone	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.030)
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020 J)
Carbon disulfide	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	0.0020 [0.0010]	0.00070 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Chloroform (Trichloromethane)	mg/L	0.0050 [0.0040]	0.0030	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.024 [0.021]	0.028	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010 J)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-53 11/01/06	RFI-09-53 11/14/07	RFI-10-24 02/20/02	RFI-10-24 06/25/02	RFI-10-24 03/26/03	RFI-10-24 10/06/04
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	0.11 (IDW,RDW) [0.11 (IDW,RDW)]	0.12 (IDW,RDW)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.030)
Vinyl chloride	mg/L	0.0040 (IDW,RDW) [0.0040 (IDW,RDW)]	0.0050 (IDW,RDW)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)
PCB							
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Inorganic							
Lead	mg/L	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-24 12/08/05	RFI-10-24 06/28/07	RFI-10-24 10/25/07	RFI-10-26 02/21/02	RFI-10-26 06/20/02	RFI-10-26 03/27/03	RFI-10-26 11/02/06	RFI-10-26 10/26/07	RFI-10-28 12/12/02
VOC										
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	0.0020	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0042	ND(0.0010)	NA	ND(0.0010)	0.00020 J	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0050)	NA	ND(0.0020)	ND(0.0020)	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.025)	NA	ND(0.020)	ND(0.020)	0.011 J
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.050)	NA	ND(0.010)	ND(0.010)	ND(0.050)
Acetone	mg/L	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.025)	NA	ND(0.020)	ND(0.020)	0.21 JD
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	NA	ND(0.0020)	ND(0.0020)	ND(0.0010 J)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.021	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0056	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)	ND(0.0010)	ND(0.0030)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)	ND(0.0010)	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	NA	ND(0.0010)	ND(0.0010)	ND(0.0020)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	NA	ND(0.010)	ND(0.010)	ND(0.0030)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-24 12/08/05	RFI-10-24 06/28/07	RFI-10-24 10/25/07	RFI-10-26 02/21/02	RFI-10-26 06/20/02	RFI-10-26 03/27/03	RFI-10-26 11/02/06	RFI-10-26 10/26/07	RFI-10-28 12/12/02
VOC (Cont'd.)										
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.0010)	NA	ND(0.020)	ND(0.020)	ND(0.0030)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.0010)	NA	ND(0.030)	ND(0.030)	ND(0.0030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	NA	ND(0.0010)	ND(0.0010)	ND(0.0020)
PCB										
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved										
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic										
Lead	mg/L	NA	NA	NA	NA	0.0048 (IDW,RDW)	0.00036 J	NA	NA	NA
Inorganic-Dissolved										
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-28 10/06/04	RFI-10-28 12/08/05	RFI-10-28 10/25/07	RFI-10-29 12/12/02	RFI-10-29 06/30/05	RFI-10-29 12/08/05	RFI-10-29 06/28/07	RFI-10-29 10/25/07
VOC									
1,1,1-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.020)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050 J) [ND(0.050 J)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.010)	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.020)	0.0019 J	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J) [ND(0.0020 J)]	ND(0.0020)	ND(0.0020)	ND(0.0010 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J
Methyl acetate	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.0030)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-28 10/06/04	RFI-10-28 12/08/05	RFI-10-28 10/25/07	RFI-10-29 12/12/02	RFI-10-29 06/30/05	RFI-10-29 12/08/05	RFI-10-29 06/28/07	RFI-10-29 10/25/07
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.0030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00051 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030)	ND(0.0030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-33 06/29/05	RFI-10-33 12/08/05	RFI-10-33 10/25/07	RFI-10-35 06/29/05	RFI-10-35 12/08/05	RFI-10-35 06/28/07	RFI-10-35 10/25/07
VOC								
1,1,1-Trichloroethane	mg/L	0.019	0.063	0.076 [0.076]	0.0030	0.0010	0.00020 J	0.00060 J
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.021	0.060	0.068 [0.073]	0.015	0.031	0.029	0.038
1,1-Dichloroethene	mg/L	0.0040	0.010 (IDW,RDW)	0.011 (IDW,RDW) [0.012 (IDW,RDW)]	0.0010	0.0020	0.0020	0.0040
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.030)	ND(0.020) [ND(0.020)]	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010) [ND(0.010)]	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.030)	ND(0.030)	ND(0.020) [ND(0.020)]	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	0.0040	0.0050	0.0030 [0.0040]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	0.00040 J [0.00040 J]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-33 06/29/05	RFI-10-33 12/08/05	RFI-10-33 10/25/07	RFI-10-35 06/29/05	RFI-10-35 12/08/05	RFI-10-35 06/28/07	RFI-10-35 10/25/07
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-36 06/29/05	RFI-10-36 12/08/05	RFI-10-36 06/28/07	RFI-10-36 10/25/07	RFI-16-04 08/10/01	RFI-16-04 09/18/01	RFI-16-04 06/25/02
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	ND(0.0010)	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0036	NA	0.0037 [0.0038]
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	ND(0.0010)	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	NA	ND(0.025) [ND(0.025)]
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050)	NA	ND(0.050) [ND(0.050)]
Acetone	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025 J)	NA	ND(0.025) [0.0023 J]
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0020	NA	0.0043 [0.0045]
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010 J)	NA	ND(0.0010) [ND(0.0010)]
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0091	NA	0.021 [0.020]
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0090	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00063 J	NA	ND(0.0050) [ND(0.0050)]
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0020)	NA	ND(0.0020) [ND(0.0020)]
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-36 06/29/05	RFI-10-36 12/08/05	RFI-10-36 06/28/07	RFI-10-36 10/25/07	RFI-16-04 08/10/01	RFI-16-04 09/18/01	RFI-16-04 06/25/02
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	0.00095 J	NA	ND(0.0010) [ND(0.0010)]
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	ND(0.0050) [ND(0.0050)]
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0020)	NA	ND(0.0020) [ND(0.0020)]
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Total PCBs	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	NA	0.00049 [0.00043]
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.00040)	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-16-04R 10/31/07	RFI-17-02 10/03/01	RFI-17-02 06/25/02	RFI-17-02 04/02/03	RFI-17-02 10/05/04	RFI-17-02 06/09/05	RFI-17-02 12/08/05	RFI-17-02 11/01/06
VOC									
1,1,1-Trichloroethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	NA	ND(0.0010)	NA	NA	NA	0.0020	0.0020	0.0020
1,1-Dichloroethene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	ND(0.025)	NA	NA	NA	ND(0.030)	ND(0.030)	ND(0.020)
2-Hexanone	mg/L	NA	ND(0.050)	NA	NA	NA	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	NA	ND(0.050)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.010)
Acetone	mg/L	NA	ND(0.025)	NA	NA	NA	ND(0.030)	ND(0.030)	ND(0.020)
Benzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Dibromochloromethane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	NA	ND(0.0020)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.010)	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-16-04R 10/31/07	RFI-17-02 10/03/01	RFI-17-02 06/25/02	RFI-17-02 04/02/03	RFI-17-02 10/05/04	RFI-17-02 06/09/05	RFI-17-02 12/08/05	RFI-17-02 11/01/06
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	NA	ND(0.0050)	NA	NA	NA	0.0030 J	0.0040 J	0.0030 J
Methylene chloride	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	NA	ND(0.0010 J)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	0.00090 J
Xylenes (total)	mg/L	NA	ND(0.0020)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB									
Aroclor-1016 (PCB-1016)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	ND(0.00010) [ND(0.00010)]	ND(0.00010)	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	ND(0.00010)	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	0.0020	0.00077	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	ND(0.00040)	ND(0.00040)	NA	NA	NA	NA	NA

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-17-02 04/24/07	RFI-17-02 06/26/07	RFI-17-02 10/26/07	RFI-17-02D 07/29/05	RFI-17-02D 12/08/05	RFI-17-02D 11/01/06	RFI-17-02D 04/24/07	RFI-17-02D 06/27/07
VOC									
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0010	0.0010 J	0.00080 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00020 J
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020 J)	R	ND(0.020)	ND(0.030)	ND(0.030)	ND(0.020)	0.0060 J	ND(0.020)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0030	0.0030	0.0040	0.0010	0.0020
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	R	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-17-02 04/24/07	RFI-17-02 06/26/07	RFI-17-02 10/26/07	RFI-17-02D 07/29/05	RFI-17-02D 12/08/05	RFI-17-02D 11/01/06	RFI-17-02D 04/24/07	RFI-17-02D 06/27/07
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	0.0020 J	0.0020 J	0.0010 J	0.0030 J	0.0030 J	0.0020 J	0.00090 J	0.0010 J
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030 J)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0020	ND(0.0010)	0.0020
Xylenes (total)	mg/L	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-17-02D 10/26/07	RFI-23-01 09/18/01	RFI-23-01R 10/04/04	RFI-23-01R 04/06/05	RFI-23-01R 11/01/06	RFI-23-01R 10/31/07	RFI-36-02 10/04/01	RFI-36-02 06/13/02	RFI-36-02 03/25/03
VOC										
1,1,1-Trichloroethane	mg/L	ND(0.0010)	0.00070 J	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,1-Dichloroethane	mg/L	0.00030 J	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	0.00076 J	NA	NA
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0050)	NA	NA	ND(0.0020)	ND(0.0020)	ND(0.0050)	NA	NA
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.025)	NA	NA	ND(0.020)	ND(0.020)	ND(0.025)	NA	NA
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	NA	NA	ND(0.050)	ND(0.050)	ND(0.050)	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.050)	NA	NA	ND(0.010)	ND(0.010)	ND(0.050)	NA	NA
Acetone	mg/L	ND(0.020)	ND(0.025)	NA	NA	ND(0.020)	ND(0.020)	ND(0.025)	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0010)	NA	NA	ND(0.0020)	ND(0.0020)	ND(0.0010)	NA	NA
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	NA
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
cis-1,2-Dichloroethene	mg/L	0.0040	ND(0.0010)	NA	NA	0.0010	0.00080 J	ND(0.0010)	NA	NA
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Cyclohexane	mg/L	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010 J)	ND(0.0010)	ND(0.0050)	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0050)	NA	NA
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0020)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0020)	NA	NA
Methyl acetate	mg/L	ND(0.010)	ND(0.0050)	NA	NA	ND(0.010)	ND(0.010)	ND(0.0050)	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-17-02D 10/26/07	RFI-23-01 09/18/01	RFI-23-01R 10/04/04	RFI-23-01R 04/06/05	RFI-23-01R 11/01/06	RFI-23-01R 10/31/07	RFI-36-02 10/04/01	RFI-36-02 06/13/02	RFI-36-02 03/25/03
VOC (Cont'd.)										
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.0010)	NA	NA	ND(0.020)	ND(0.020)	ND(0.0010)	NA	NA
Methyl Tert Butyl Ether	mg/L	0.00070 J	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	NA
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	NA	NA
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	NA	NA
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	0.0020	0.0020	ND(0.0010)	NA	NA
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.0010)	NA	NA	ND(0.030)	ND(0.030)	ND(0.0010)	NA	NA
Vinyl chloride	mg/L	0.0030 (IDW,RDW)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0020)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0020)	NA	NA
PCB										
Aroclor-1016 (PCB-1016)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Total PCBs	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
PCB-Dissolved										
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Total PCBs (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	ND(0.00010)	NA	NA
Inorganic										
Lead	mg/L	NA	NA	ND(0.0030)	NA	NA	NA	0.00051	0.00042 J	0.0013
Inorganic-Dissolved										
Lead (Dissolved)	mg/L	NA	ND(0.00040)	NA	NA	NA	NA	ND(0.00040)	NA	NA

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-02 10/13/04	RFI-36-02 11/02/06	RFI-36-02 11/14/07	RFI-36-14 10/02/01	RFI-36-14 02/20/02	RFI-36-14 06/17/02
VOC							
1,1,1-Trichloroethane	mg/L	0.00040 J	0.00020 J [0.00010 J]	0.00040 J	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	NA	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0040 J	0.0010 [0.0020]	0.0010	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.025) [ND(0.025)]	NA	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050) [ND(0.050)]	NA	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.050) [ND(0.050)]	NA	ND(0.050)
Acetone	mg/L	ND(0.030)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.025) [ND(0.025)]	NA	ND(0.025)
Benzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Carbon disulfide	mg/L	ND(0.0050 J)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)
Methyl acetate	mg/L	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-02 10/13/04	RFI-36-02 11/02/06	RFI-36-02 11/14/07	RFI-36-14 10/02/01	RFI-36-14 02/20/02	RFI-36-14 06/17/02
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Methylene chloride	mg/L	0.00040 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050 J)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010 J)
Toluene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)
PCB							
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
Total PCBs	mg/L	NA	NA	NA	ND(0.00010) [ND(0.00010)]	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	ND(0.00010)	NA	NA
Inorganic							
Lead	mg/L	NA	NA	NA	0.00038 J [0.00017 J]	NA	0.00025 J
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	NA	NA	NA	ND(0.00040) [ND(0.00040)]	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-14 03/25/03	RFI-36-14 10/11/04	RFI-36-14 11/02/06	RFI-36-14 10/26/07	RFI-36-19 09/28/01	RFI-36-19 10/06/04	RFI-36-19 12/08/05	RFI-36-19 06/26/07
VOC									
1,1,1-Trichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	NA	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)
2-Hexanone	mg/L	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	NA	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.010)
Acetone	mg/L	NA	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.030)	ND(0.030)	R
Benzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	NA	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	NA	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0020 J)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	NA	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	NA	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)
Chloroform (Trichloromethane)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	NA	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Dibromochloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	R
Ethylbenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	NA	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010 J)	ND(0.010)	ND(0.010)

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-14 03/25/03	RFI-36-14 10/11/04	RFI-36-14 11/02/06	RFI-36-14 10/26/07	RFI-36-19 09/28/01	RFI-36-19 10/06/04	RFI-36-19 12/08/05	RFI-36-19 06/26/07
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	NA	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0032	0.00080 J	ND(0.0010)	ND(0.0010 J)
Trifluorotrichloroethane (Freon 113)	mg/L	NA	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.030)	ND(0.030)	ND(0.030 J)
Vinyl chloride	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Xylenes (total)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	ND(0.00040) [0.00034 J]	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-19 10/30/07	RFI-36-37 09/28/01	RFI-36-37 06/22/02	RFI-36-37 06/10/05	RFI-36-37 06/26/07	RFI-36-37 10/30/07	RFI-36-47 12/13/02
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00060 J	0.00010 J	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	0.22 D	0.053	0.0010	ND(0.0010)	ND(0.0010)	0.0085
1,1-Dichloroethene	mg/L	ND(0.0010)	0.0057	0.0015	0.0020	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	0.0040	0.0017	ND(0.0010)	ND(0.0010)	0.0010	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.025)	0.0026 J	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.050)
Acetone	mg/L	ND(0.020)	ND(0.025)	ND(0.025)	ND(0.030)	R	ND(0.020)	0.0013 J
Benzene	mg/L	ND(0.0010)	0.0032	ND(0.0010)	0.0090 (IDW,RDW)	0.0090 (IDW,RDW)	0.013 (IDW,RDW)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010 J)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	0.18 D	0.10	0.0050 J	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	0.0028	0.0010	0.00040 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0030)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	R	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0010)	0.00030 J	ND(0.0010)	ND(0.0020)
Methyl acetate	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0030)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-19 10/30/07	RFI-36-37 09/28/01	RFI-36-37 06/22/02	RFI-36-37 06/10/05	RFI-36-37 06/26/07	RFI-36-37 10/30/07	RFI-36-47 12/13/02
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0030)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00020 J	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	0.0030 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.0010)	ND(0.0010)	ND(0.030)	ND(0.030 J)	ND(0.030)	ND(0.0030)
Vinyl chloride	mg/L	ND(0.0010)	0.0027 (IDW,RDW)	0.00056 J	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0010)	0.00030 J	ND(0.0010)	ND(0.0020)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	ND(0.00040)	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-47 03/25/03	RFI-36-47 06/10/05	RFI-36-47 12/09/05	RFI-36-47 04/23/07	RFI-36-47 06/26/07	RFI-36-47 10/30/07	RFI-36-48 12/13/02
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	0.19	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0040	0.0060	0.56	0.0030	0.014	0.019 [0.017]	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	0.070 (IDW,RDW)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0050)	ND(0.0020)	ND(0.020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0050)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.00077 J
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.025)	ND(0.030)	ND(0.30)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.025)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.50)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.050)	ND(0.0010)	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.050)
Acetone	mg/L	ND(0.025)	ND(0.030)	ND(0.30)	ND(0.020 J)	R	ND(0.020) [ND(0.020)]	0.0017 J
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0010)	ND(0.0020)	ND(0.020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0010 J)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	0.12	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	0.010	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Cyclohexane	mg/L	ND(0.0050)	ND(0.0010)	ND(0.010)	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0030)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	R	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
m&p-Xylene	mg/L	ND(0.0020)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0020)
Methyl acetate	mg/L	ND(0.0050)	ND(0.010)	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0030)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-47 03/25/03	RFI-36-47 06/10/05	RFI-36-47 12/09/05	RFI-36-47 04/23/07	RFI-36-47 06/26/07	RFI-36-47 10/30/07	RFI-36-48 12/13/02
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.0010 J)	ND(0.020)	ND(0.20)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.0030)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0050)	0.00020 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	0.00020 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.00086 J
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.0010)	ND(0.030)	ND(0.30)	ND(0.030)	ND(0.030 J)	ND(0.030) [ND(0.030)]	ND(0.0030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	0.020 (IDW,RDW)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0020)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0020)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-48 02/28/05	RFI-36-48 06/10/05	RFI-36-48 12/09/05
VOC				
1,1,1-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1,2-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	mg/L	0.0030 [0.0020]	0.0020	0.17 [0.18]
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0050 [0.0050]
1,2,4-Trichlorobenzene	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020) [ND(0.0020)]
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloropropane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030) [ND(0.030)]
2-Hexanone	mg/L	ND(0.050 J) [ND(0.050 J)]	ND(0.050)	ND(0.050) [ND(0.050)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Acetone	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030) [ND(0.030)]
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromomethane (Methyl Bromide)	mg/L	R [R]	ND(0.0020)	ND(0.0020) [ND(0.0020)]
Carbon disulfide	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Carbon tetrachloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	0.0020 [0.0010]	ND(0.0010)	0.0050 [0.0060]
Chloroform (Trichloromethane)	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
cis-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Isopropylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
m&p-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Methyl acetate	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010) [ND(0.010)]

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-48 02/28/05	RFI-36-48 06/10/05	RFI-36-48 12/09/05
VOC (Cont'd.)				
Methyl cyclohexane	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020) [ND(0.020)]
Methyl Tert Butyl Ether	mg/L	0.00020 J [0.00030 J]	ND(0.0050)	0.0040 J [0.0040 J]
Methylene chloride	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]
o-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030) [ND(0.030)]
Vinyl chloride	mg/L	0.0050 (IDW,RDW) [0.0060 (IDW,RDW)]	0.0040 (IDW,RDW)	0.064 (IDW,RDW) [0.064 (IDW,RDW)]
Xylenes (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]
PCB				
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA
PCB-Dissolved				
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA
Inorganic				
Lead	mg/L	NA	NA	NA
Inorganic-Dissolved				
Lead (Dissolved)	mg/L	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-48 09/30/07	RFI-36-55 07/06/05	RFI-36-55 12/09/05	RFI-36-55 06/26/07	RFI-36-55 10/30/07	RFI-36-56 07/21/05	RFI-36-56 12/09/05
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.025 [0.024]	ND(0.0010)	ND(0.0010)	0.0020	0.0020	0.0040	0.0050
1,1-Dichloroethene	mg/L	0.00060 J [0.00060 J]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020 J) [ND(0.020 J)]	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)
2-Hexanone	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010 J) [ND(0.010 J)]	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)
Acetone	mg/L	ND(0.020 J) [ND(0.020 J)]	ND(0.030)	ND(0.030)	0.0070 J	0.0050 J	ND(0.030)	ND(0.030)
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	R	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	0.00020 J	ND(0.0010)	0.0010	0.00090 J	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010 J) [ND(0.010 J)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-48 09/30/07	RFI-36-55 07/06/05	RFI-36-55 12/09/05	RFI-36-55 06/26/07	RFI-36-55 10/30/07	RFI-36-56 07/21/05	RFI-36-56 12/09/05
VOC (Cont'd.)								
Methyl cyclohexane	mg/L	ND(0.020 J) [ND(0.020 J)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0010 J	0.00020 J	0.00040 J	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050 J) [ND(0.0050 J)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010) [ND(0.0010)]	0.0010 J	ND(0.0010)	ND(0.0010)	0.00020 J	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00030 J	0.00080 J
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030)	ND(0.030 J)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	0.0030 (IDW,RDW) [0.0030 (IDW,RDW)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	0.00090 J	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB								
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved								
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-56 06/26/07	RFI-36-56 10/30/07	RFI-81-50 04/04/05	RFI-81-50 11/02/06	RFI-81-50 10/31/07	RFI-81-51 04/04/05
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	mg/L	0.0040	0.0040	NA	ND(0.0010)	ND(0.0010)	0.0040 [0.0040]
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	0.00060 J [0.00050 J]
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	NA	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)	NA	ND(0.020 J)	ND(0.020)	ND(0.030) [ND(0.030)]
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050 J)	ND(0.050)	ND(0.050) [ND(0.050)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	NA	ND(0.010)	ND(0.010)	ND(0.0010) [ND(0.0010)]
Acetone	mg/L	R	ND(0.020)	NA	ND(0.020 J)	ND(0.020)	ND(0.030) [ND(0.030)]
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	NA	ND(0.0020)	ND(0.0020)	R [R]
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050 J) [ND(0.0050 J)]
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	0.16 (IDW,RDW) [0.16 (IDW,RDW)]
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010 J)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dichlorodifluoromethane (CFC-12)	mg/L	R	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	NA	0.00010 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	NA	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-56 06/26/07	RFI-36-56 10/30/07	RFI-81-50 04/04/05	RFI-81-50 11/02/06	RFI-81-50 10/31/07	RFI-81-51 04/04/05
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	NA	ND(0.020)	ND(0.020)	ND(0.020 J) [ND(0.020 J)]
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	0.0070 [0.0060]
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichloroethene	mg/L	0.00050 J	0.00050 J	NA	0.00040 J	0.00020 J	0.00080 J [0.00080 J]
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030 J)	ND(0.030)	NA	ND(0.030)	ND(0.030)	ND(0.030) [ND(0.030)]
Vinyl chloride	mg/L	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	0.064 (IDW,RDW) [0.065 (IDW,RDW)]
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	NA	0.00010 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]
PCB							
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Inorganic							
Lead	mg/L	NA	NA	ND(0.0030) [ND(0.0030)]	NA	ND(0.0030)	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-81-51 10/29/07	RFI-84-06R 04/02/03	RFI-84-06R 04/03/03	RFI-84-06R 02/25/05	RFI-84-06R 07/22/05	RFI-84-06R 12/08/05	RFI-84-06R 11/01/06	RFI-84-06R 04/24/07
VOC									
1,1,1-Trichloroethane	mg/L	0.00080 J	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0040	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00040 J
1,1-Dichloroethene	mg/L	0.00040 J	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0050)	NA	NA	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.025)	NA	NA	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	NA	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.050)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.025)	NA	NA	ND(0.030)	ND(0.030)	ND(0.020)	0.010 J
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	0.0030	0.0050
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0010)	NA	NA	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.16 (IDW,RDW)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010)	ND(0.0010)	0.00030 J	0.00040 J
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0020)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.0050)	NA	NA	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-81-51 10/29/07	RFI-84-06R 04/02/03	RFI-84-06R 04/03/03	RFI-84-06R 02/25/05	RFI-84-06R 07/22/05	RFI-84-06R 12/08/05	RFI-84-06R 11/01/06	RFI-84-06R 04/24/07
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.0010)	NA	NA	ND(0.020)	ND(0.020)	ND(0.020)	0.00030 J
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	NA	NA	0.00030 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	NA	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	0.0020	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	0.0060	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	0.025 (IDW,RDW)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.0010)	NA	NA	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	0.054 (IDW,RDW)	ND(0.0010)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0020)	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	ND(0.00011)	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	0.00094	NA	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	0.00017 J	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-06R 06/26/07	RFI-84-06R 10/26/07	RFI-84-06RD 07/21/05	RFI-84-06RD 12/08/05	RFI-84-06RD 11/02/06	RFI-84-06RD 04/24/07	RFI-84-06RD 06/27/07	RFI-84-06RD 10/26/07
VOC									
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.00080 J	0.00070 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	0.0040 J	ND(0.020)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
Benzene	mg/L	0.0070 (IDW,RDW)	0.0010	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	0.0020 J	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	R	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	0.00080 J	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	0.00010 J
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-06R 06/26/07	RFI-84-06R 10/26/07	RFI-84-06RD 07/21/05	RFI-84-06RD 12/08/05	RFI-84-06RD 11/02/06	RFI-84-06RD 04/24/07	RFI-84-06RD 06/27/07	RFI-84-06RD 10/26/07
VOC (Cont'd.)									
Methyl cyclohexane	mg/L	0.00070 J	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030 J)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	0.00010 J
PCB									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic									
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved									
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09D 07/22/05	RFI-84-09D 12/08/05	RFI-84-09D 11/01/06
VOC				
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.030)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.010)
Acetone	mg/L	ND(0.030)	ND(0.030)	ND(0.020)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.0040	0.0040	0.0040
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09D 07/22/05	RFI-84-09D 12/08/05	RFI-84-09D 11/01/06
VOC (Cont'd.)				
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	0.0020 J	0.0030 J	0.0030 J
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB				
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA
PCB-Dissolved				
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA
Inorganic				
Lead	mg/L	NA	NA	NA
Inorganic-Dissolved				
Lead (Dissolved)	mg/L	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09D 04/24/07	RFI-84-09D 06/28/07	RFI-84-09D 10/26/07	RFI-84-09S 07/22/05	RFI-84-09S 12/08/05	RFI-84-09S 11/01/06
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0020
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)	ND(0.020)
2-Hexanone	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.010)
Acetone	mg/L	0.0090 J [0.010 J]	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)	ND(0.020)
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00080 J
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.0030 [0.0030]	0.0040	0.0030	ND(0.0010)	ND(0.0010)	0.00030 J
cis-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09D 04/24/07	RFI-84-09D 06/28/07	RFI-84-09D 10/26/07	RFI-84-09S 07/22/05	RFI-84-09S 12/08/05	RFI-84-09S 11/01/06
VOC (Cont'd.)							
Methyl cyclohexane	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	0.0020 J [0.0020 J]	0.0020 J	0.0010 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	0.00020 J [0.00020 J]	0.00020 J	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00080 J
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	0.0030 (IDW,RDW) [0.0030 (IDW,RDW)]	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB							
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCB-Dissolved							
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Inorganic							
Lead	mg/L	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved							
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09S 04/24/07	RFI-84-09S 06/28/07	RFI-84-09S 10/26/07	RFI-86-16R 09/16/03	RFI-86-16R 10/06/04	RFI-86-16R 06/27/07	RFI-86-16R 10/29/07	RFI-94-11 04/07/05	RFI-94-11 12/08/05
VOC										
1,1,1-Trichloroethane	mg/L	0.0010	0.00050 J	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.00050 J	0.00040 J	0.00040 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)
Acetone	mg/L	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.030 J)	ND(0.030)
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	R	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.00030 J	0.00050 J	0.00080 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	0.00020 J	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09S 04/24/07	RFI-84-09S 06/28/07	RFI-84-09S 10/26/07	RFI-86-16R 09/16/03	RFI-86-16R 10/06/04	RFI-86-16R 06/27/07	RFI-86-16R 10/29/07	RFI-94-11 04/07/05	RFI-94-11 12/08/05
VOC (Cont'd.)										
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	0.00050 J	0.00040 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	0.00050 J	0.00040 J	0.00020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCB										
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-Dissolved										
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic										
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic-Dissolved										
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: / Date Collected:	Units	RFI-94-11 06/28/07	RFI-94-11 11/02/07
VOC			
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)
1,2,4-Trimethylbenzene	mg/L	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0010)	ND(0.0010)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND(0.0010)	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	mg/L	ND(0.0010)	ND(0.0010)
1,3,5-Trimethylbenzene	mg/L	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.020)
Benzene	mg/L	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)
Carbon disulfide	mg/L	ND(0.0050)	ND(0.0050)
Carbon tetrachloride	mg/L	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)
m&p-Xylene	mg/L	0.00020 J	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)

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Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-94-11 06/28/07	RFI-94-11 11/02/07
VOC (Cont'd.)			
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)
Methylene chloride	mg/L	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	ND(0.0010)	ND(0.0010)
Styrene	mg/L	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	ND(0.0010)
Toluene	mg/L	0.00020 J	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)
Trifluorotrichloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	0.00020 J	ND(0.0010)
PCB			
Aroclor-1016 (PCB-1016)	mg/L	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA
Total PCBs	mg/L	NA	NA
PCB-Dissolved			
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA
Inorganic			
Lead	mg/L	NA	NA
Inorganic-Dissolved			
Lead (Dissolved)	mg/L	NA	NA

See Notes on Page 70.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

General Notes:

Samples were collected by ARCADIS of New York, Inc. (ARCADIS BBL, formerly known as Blasland, Bouck & Lee, Inc.), and submitted to Merit Laboratories, for analysis of Project Analyte List (PAL) volatile organic compounds.

Duplicate results are presented in brackets.

Groundwater concentrations are presented in milligrams per liter (mg/L).

Total Xylenes reported as the sum of m&p-Xylene and o-Xylene.

Shaded cells represent constituent concentrations that exceed at least one of the listed Michigan Part 201 Criteria:

For Groundwater:

RDW = Residential Drinking Water criteria, updated January 2006.

IDW = Industrial Drinking Water criteria, updated January 2006.

GSI = Groundwater/Surface Water Interaction criteria, updated January 2006.

GCC = Groundwater Contact criteria, updated January 2006.

GAI = Groundwater Acute Inhalation Screening Level, updated January 2006.

RGVIA = Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation criteria, updated January 2006.

IGVIA = Industrial & Commercial II, III, & IV Groundwater Volatilization to Indoor Air Inhalation criteria, updated January 2006.

FE = Flammability and Explosivity Screening Level, updated January 2006.

Data Qualifiers:

U = Not detected. The value represents the associated detection limit.

NS = Not analyzed for this constituent.

D = Concentration is based on a diluted sample analysis.

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.

E = Measured concentration exceeded the linear range of the instrument.
A diluted sample analysis was run; however, the undiluted result was chosen as representative of the sample concentration.

R = Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data shall not be used for any qualitative or quantitative purposes.

MDEQ Criteria Qualifiers:

ID = *Inadequate data* to develop criterion.

NA = Criterion or value is *not available* or, as is the case for Csat, *not applicable* .

{A} = Criterion is the State of Michigan Drinking Water Standard established pursuant to Section 5 of the Safe Drinking Water Act, Act No. 399 of the Public Acts of 1976.

{D} = Calculated criterion exceeds 100%, hence it is reduced to 100% (i.e., 1.0E+9 ppb). Evaluation of free phase contaminant, environmental impacts, adverse aesthetics and acute or local toxicity is required.

{E} = Criterion is the aesthetic drinking water value, as required by Sec. 20120(1)(5). A Notice of Aesthetic Impact may be employed as an institutional control mechanism where groundwater concentrations exceed the aesthetic DWC, but do not exceed the applicable health-based DWC. Health-based DWC are provided in the table below.

Hazardous Substance	CAS #	Residential Health-Based DWC	Industrial-Commercial Health-Based DWC
Aluminum	7429905	300	4,100
Copper	7440508	1,400	4,000
Diethyl ether	60297	3,700	10,000
Ethylbenzene	100414	700	700
Iron	7439896	2,000	5,600
Manganese	7439965	860	2,500

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

MDEQ Criteria Qualifiers (Cont'd.):

Hazardous Substance	CAS #	Residential Health-Based DWC	Industrial-Commercial Health-Based DWC
Methyl-tert-butyl ether (MTBE)	1634044	240	690
Toluene	108883	1,000	1,000
1,2,4-Trimethylbenzene	95636	1,000	2,900
1,3,5-Trimethylbenzene	108678	1,000	2,900
Xylenes	1330207	10,000	10,000

{G} = The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criteria GSI criterion is the lesser of the HDV, the WV, and the calculated FCV (see formula in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20XGSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

Hazardous Substance	FCV Formula ug/L	FCV Conversion Factor (CF)	WV ug/L	HNDV ug/L
Barium[x]	EXP(1.0629*(LnH)+1.1869)	NA	NA	1.6E+5
Beryllium	EXP(2.5279*(LnH)-10.7689)	NA	NA	1,200
Cadmium[x]	(EXP(0.7852*(LnH)-2.715))*CF	1.101672-((LnH)*0.04184)	NA	130
Chromium (III)[x]	(EXP(0.819*(LnH)+0.6848))*CF	0.86	NA	9,400
Copper	(EXP(0.8545*(LnH)-1.702))*CF	0.96	NA	64,000
Lead[x]	(EXP(1.273*(LnH)-3.296))*CF	1.46203-((LnH)*0.14571)	NA	190
Manganese	EXP(0.8784*(LnH)+2.226)	NA	NA	59,000
Nickel	(EXP(0.846*(LnH)+0.0584))*CF	0.997	NA	2.1E+5
Pentachlorophenol[x]	EXP(1.005*(pH)-5.134)	NA	NA	2.8
Zinc	(EXP(0.8473*(LnH)+0.884))*CF	0.986	NA	22,000

Where,
EXP(x) = The base of the natural logarithm raised to power x (ex).
LnH = The natural logarithm of water hardness in mg CaCO3/L.
SS = Total suspended solids in mg/L.
* = The multiplication symbol.
[x] = The GSI criterion developed here may not be protective for surface water that is used as a drinking water source. Refer to footnote {X} for further guidance.

A spreadsheet that may be used to calculate GSI and GSI PC for {G} footnoted hazardous substances is available at http://www.deq.state.mi.us/erd.

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

MDEQ Criteria Qualifiers (Cont'd.):

{I} = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 CFR 261.21.
{J} = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.
{M} = Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.
{R} = Hazardous substance may exhibit the characteristic of reactivity as defined in 40 CFR 261.23.
{S} = Criterion defaults to the chemical-specific water solubility limit.
{W} = Concentrations of trihalomethanes in groundwater must be added together to determine compliance with the State of Michigan Drinking Water Standard of 100 ug/L. Concentrations of trihalomethanes in soil must be added together to determine compliance with the DWPC of 2,000 ug/kg.

{X} = The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicted with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

Hazardous Substance	Chemical Abstract Service Number	Surface Water Human Drinking Water Values (HDV) (ug/L)	Soil GSI Protection Criteria for HDV (ug/Kg)
Acrylonitrile	107131	2.0 (M); 0.87	100 (M); 17
Alachlor	15972608	3.5	91
Antimony	7440360	2	1,400
Arsenic	7440382	50	23,000
Atrazine	1912249	4.3	86
Barium	7440393	1,900*	*
Benzene	71432	12	240
bis(2-Chloroethyl)ether	111444	1 (M); 0.79	100 (M); 20
Bromate	15541454	10 (M); 0.5	200 (M); 10
Butyl benzyl phthalate	85687	6.9	13,000
Cadmium	7440439	2.5*	*
Carbon tetrachloride	56235	5.6	110
Chloride	16887006	50,000	1.00E+06
Chloroform	67663	77	1,500
Chromium (III)	16065831	120*	*
Cyanazine	21725462	2 (M); 0.93	200 (M); 40
3,3'-Dichlorobenzidine	91941	0.3 (M); 0.14	2,000 (M); 7.7
1,2-Dichloroethane	107062	6	120
1,1-Dichloroethylene	75354	24	480
1,2-Dichloropropane	78875	9.1	180
N,N-Dimethylacetamide	127195	700	14,000
1,4-Dioxane	123911	34	680

Table 4. Groundwater Analytical Data, CA 750 Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

MDEQ Criteria Qualifiers (Cont'd.):

Hazardous Substance	Chemical Abstract Service Number	Surface Water Human Drinking Water Values (HDV) (ug/L)	Soil GSI Protection Criteria for HDV (ug/Kg)
Ethylene dibromide	106934	0.05 (M); 0.006	20 (M); 1.0
Ethylene glycol	107211	56,000	1.10E+06
Heptachlor	76448	0.01 (M); 0.0017	NLL
beta-Hexachlorocyclohexane	319857	0.024	20 (M)
Hexachloroethane	67721	5.3	310
Isophorone	78591	310	6,200
Isopropyl alcohol	67630	28,000	5.60E+05
Lead	7439921	14*	*
Manganese	7439965	3600	72,000
Methyl-tert-butyl ether (MTBE)	1634044	100	2,000
Methylene chloride	75092	47	940
Mirex	2385855	0.02 (M); 1.6E-5	NLL
Molybdenum	7439987	120	2,400
Nitrobenzene	98953	4.7	330 (M); 94
Pentachlorophenol	87865	1.8*	*
1,2,4,5-Tetrachlorobenzene	95943	2.8	3,300
1,1,1,2-Tetrachloroethane	630206	19	380
1,1,2,2-Tetrachloroethane	79345	3.2	64
Tetrachloroethylene	127184	11	220
Tetrahydrofuran	109999	350	7,000
Thallium	7440280	2.0 (M); 1.2	2,300
1,1,2-Trichloroethane	79005	12	240
Trichloroethylene	79016	29	580

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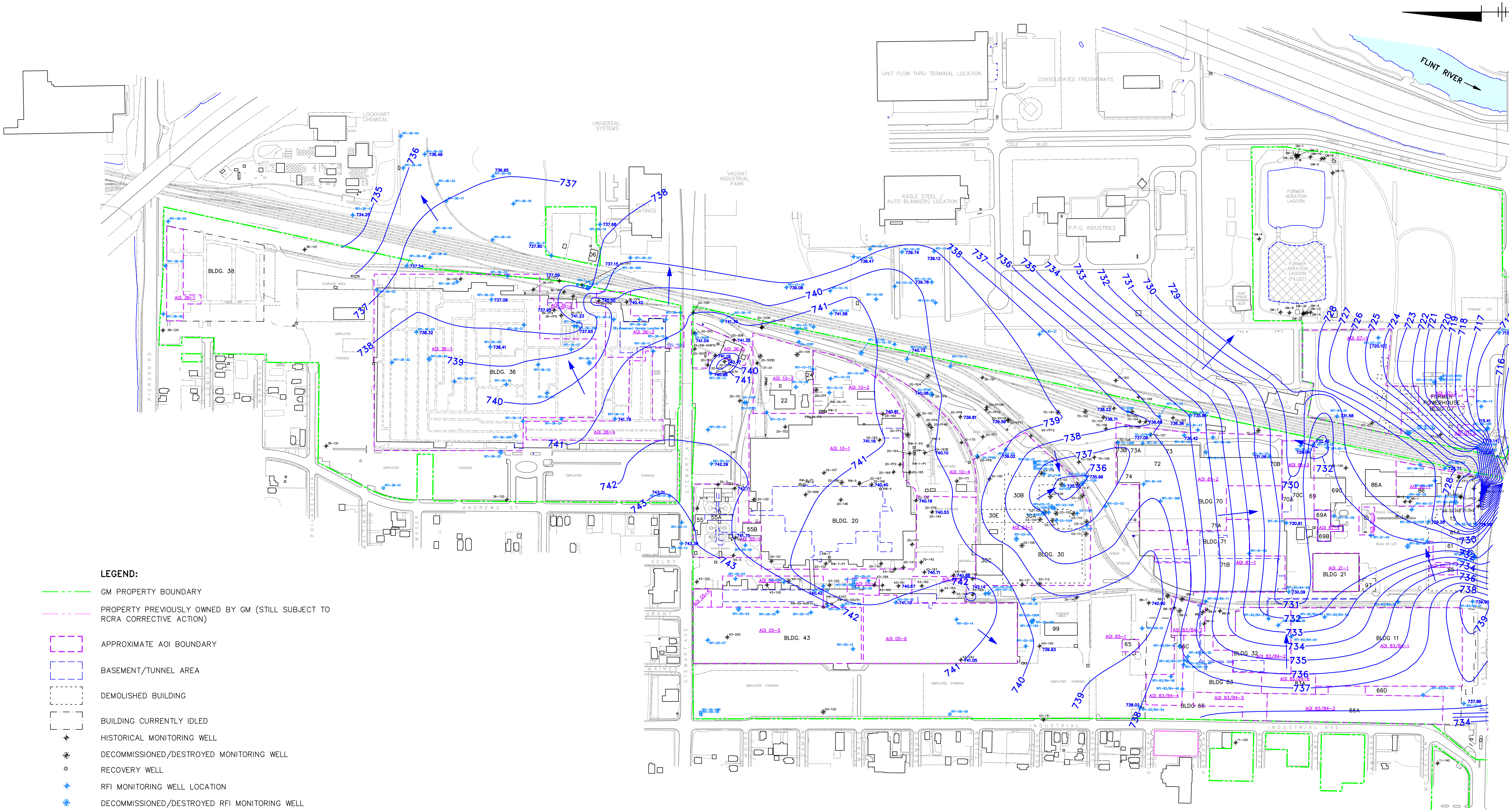
Figures



LEGEND:

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- APPROXIMATE AOI BOUNDARY
- BASEMENT/TUNNEL AREA
- DEMOLISHED BUILDING
- BUILDING CURRENTLY IDLED
- HISTORICAL MONITORING WELL
- DECOMMISSIONED/DESTROYED MONITORING WELL
- RECOVERY WELL
- RFI MONITORING WELL LOCATION
- DECOMMISSIONED/DESTROYED RFI MONITORING WELL
- RFI PIEZOMETER
- 731.60 GROUNDWATER ELEVATION (IN FEET)
- 726 GROUNDWATER ELEVATION CONTOUR (IN FEET)
- GENERALIZED FLOW DIRECTION (DASHED WHERE INFERRED)
- [728.37] MONITORING WELL SCREENED IN DEEPER UNIT, GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS

0 250' 500'
APPROXIMATE GRAPHIC SCALE

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100.
2. ALL LOCATIONS ARE APPROXIMATE.

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ELEVATION CONTOUR MAP - OCTOBER 22-24, 2007 NORTH END

ARCADIS

FIGURE
1

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100.
2. ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- APPROXIMATE AOI BOUNDARY
- BASEMENT/TUNNEL AREA
- DEMOLISHED BUILDING
- BUILDING CURRENTLY IDLED
- HISTORICAL MONITORING WELL
- DECOMMISSIONED/DESTROYED MONITORING WELL
- RECOVERY WELL
- RFI MONITORING WELL LOCATION
- DECOMMISSIONED/DESTROYED RFI MONITORING WELL
- FORMER RIVER GAUGE LOCATION
- CURRENT RIVER GAUGE LOCATION
- RFI PIEZOMETER
- 728.23 GROUNDWATER ELEVATION (IN FEET)
- 726 GROUNDWATER ELEVATION CONTOUR (IN FEET)
- GENERALIZED FLOW DIRECTION (DASHED WHERE INFERRED)
- [728.37] MONITORING WELL SCREENED IN DEEPER UNIT, GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS

0 200' 400'
APPROXIMATE GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ELEVATION CONTOUR MAP - OCTOBER 22-24, 2007 SOUTH END

ARCADIS

FIGURE 2

CITY:SYR DIV/GROUP:85 DB:GMS LD:GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF*,GRAYX01|SHD-BUILDING,1|HIST_SB,'GRAYX03|NAPL_OBS,'1|RFI_SS_PIEZ,'1|LNAPL-SHD,GRAYX01|PROPERTY,GRAYX03|NAPL_EVID
G:\CAD\ACTIB0064410\00001\10500\DWG\CA750-07\64410W02.DWG LAYOUT: 2 SAVED: 2/20/2008 10:54 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:30 AM BY: STOWELL, GARY
XREFS:
IMAGES:
64410X01
64410X3A
64410X02
64410X00

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF* , |RFI_SS_PIEZ, |LNAPL-SHD, |GWlabels, DATABOX_POINT, |PROPERTY, GRAYX01|SHD-BUILDING, *|HIST_SB*, |NAPL_EVID, *|NAPL_OBS , |RFI_SS_PIEZ, |LNAPL-SHD
G:\CAD\ACT\B0064410\0000\10500\DWG\CA750-07\64410C01.DWG LAYOUT: 3 SAVED: 3/31/2008 11:26 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:30 AM BY: STOWELL, GARY
XREFS: IMAGES:
64410X01
64410X03
64410X02
64410X01
64410X03
64410X06
64410X06
64410X29
64410X00

36-100	9/27/2001	6/13/2002	3/25/2003	6/10/2005
VOC				
1,1,1-Trichloroethane	0.95 JD (IDW,RDW)	0.74 JD (IDW,RDW)	0.32 D (IDW,RDW)	0.231 (IDW,RDW)
1,1-Dichloroethane	1.3 D (RDW)	0.78 JD	0.17 D	0.319
1,1-Dichloroethene	0.12 D (IDW,RDW)	0.11 JD (IDW,RDW)	0.023 (IDW,RDW)	0.016 (IDW,RDW)
1,2-Dichloroethane	ND(0.001)	0.003	ND(0.001)	ND(0.005)
Benzene	0.08 (IDW,RDW)	0.051 (IDW,RDW)	0.0032	0.008 (IDW,RDW)
Chloroethane	0.031	0.026	ND(0.001)	0.061
cis-1,2-Dichloroethene	0.037	0.033	0.003	0.004 J
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.03)
Toluene	0.001	0.00078 J	ND(0.001)	ND(0.005)
Trichloroethene	0.0031	0.0036	0.0037	0.008 (IDW,RDW)
Vinyl chloride	0.026 (IDW,RDW)	0.0063 J (IDW,RDW)	ND(0.001)	0.009 (IDW,RDW)
Xylenes (total)	0.004	0.003	ND(0.002)	ND(0.005)

RFI-36-48	12/13/2002	2/28/2005	6/10/2005	12/9/2005	9/30/2007
VOC					
1,1,1-Trichloroethane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
1,1-Dichloroethane	ND(0.001)	0.003 /0.002	0.002	0.17 /0.183	0.025 /0.024
1,1-Dichloroethene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	0.005 /0.005	0.0006 J /0.0006 J
1,2-Dichloroethane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Benzene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	ND(0.001)	0.002 /0.001	ND(0.001)	0.005 /0.006	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005) /ND(0.005)	ND(0.005)	ND(0.005) /ND(0.005)	ND(0.005 J) /ND(0.005 J)
Toluene	0.00086 J	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001)	0.005 (IDW,RDW) /0.006 (IDW,RDW)	0.004 (IDW,RDW)	0.064 (IDW,RDW) /0.064 (IDW,RDW)	0.003 (IDW,RDW) /0.003 (IDW,RDW)
Xylenes (total)	ND(0.002)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)

RFI-36-17	9/28/2001	10/7/2004	2/28/2005	6/10/2005
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
1,1-Dichloroethane	ND(0.001)	0.022 J	0.79	0.292
1,1-Dichloroethene	ND(0.001)	0.001 J	0.01 (IDW,RDW)	0.004 J
1,2-Dichloroethane	ND(0.001)	ND(0.001)	0.002	ND(0.005)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Chloroethane	ND(0.001)	0.043 J	0.06	0.04
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	0.0004 J	ND(0.005)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Methylene chloride	ND(0.005)	0.001 J	0.001 J	ND(0.03)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Trichloroethene	0.00074 J	0.0003 J	0.002	ND(0.005)
Vinyl chloride	ND(0.001)	0.082 (IDW,RDW)	0.198 (IDW,RDW)	0.107 (IDW,RDW)
Xylenes (total)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.005)

RFI-36-18	9/28/2001	10/7/2004	6/8/2005
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	0.003 J	0.011
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)	ND(0.001)

RFI-36-51	4/28/2003	6/10/2005
VOC		
1,1,1-Trichloroethane	0.3 D (IDW,RDW)	0.116
1,1-Dichloroethane	0.29 D	0.05
1,1-Dichloroethene	0.09 D (IDW,RDW)	0.014 (IDW,RDW)
1,2-Dichloroethane	0.0016	ND(0.001)
Benzene	0.0044	0.0008 J
Chloroethane	0.034	ND(0.001)
cis-1,2-Dichloroethene	0.004	0.0003 J
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)
Trichloroethene	0.0011	0.0003 J
Vinyl chloride	0.01 (IDW,RDW)	0.001
Xylenes (total)	ND(0.002)	ND(0.001)

RFI-36-55	7/6/2005	12/9/2005	6/26/2007	10/30/2007
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	0.002	0.002
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	0.0001 J	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001 J)	0.0009 J
Xylenes (total)	ND(0.001)	ND(0.001)	0.0001 J	ND(0.001)

RFI-36-53	4/4/2005	6/10/2005
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.003	0.001
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	0.009 J	0.007 J
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Ethylbenzene	0.004	0.003
Methylene chloride	ND(0.005)	ND(0.005)
Toluene	0.0004 J	0.0003 J
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	0.013 (IDW,RDW)	0.013 (IDW,RDW)
Xylenes (total)	0.011	0.008

RFI-36-56	7/21/2005	12/9/2005	6/26/2007	10/30/2007
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.004	0.005	0.004	0.004
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.0003 J	0.0008 J	0.0005 J	0.0005 J
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)
Xylenes (total)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-36-47	12/13/2002	3/25/2003	6/10/2005	12/9/2005	4/23/2007	6/26/2007	10/30/2007
VOC							
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	0.19	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,1-Dichloroethane	0.0085	0.004	0.006	0.56	0.003	0.014	0.019 /0.017
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	0.07 (IDW,RDW)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	0.12	ND(0.001)	ND(0.001 J)	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	0.01	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005) /ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	0.0002 J	ND(0.001)	ND(0.001) /ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	0.02 (IDW,RDW)	ND(0.001)	ND(0.001 J)	ND(0.001) /ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)

RFI-36-35	9/27/2001	6/18/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	0.27 D (IDW,RDW)
1,1-Dichloroethane	0.061	0.78 D
1,1-Dichloroethene	ND(0.001)	0.095 (IDW,RDW)
1,2-Dichloroethane	ND(0.001)	0.0093 (IDW,RDW)
Benzene	0.00052 J	0.0023
Chloroethane	0.05	1.1 D (RDW)
cis-1,2-Dichloroethene	0.011	0.017
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)
Trichloroethene	0.0027	ND(0.001)
Vinyl chloride	0.00083 J	0.093 (IDW,RDW)
Xylenes (total)	ND(0.002)	ND(0.002)

RFI-36-46	2/25/2002	6/17/2002	3/25/2003	10/11/2004	6/9/2005	11/2/2006	4/23/2007	6/26/2007
VOC								
1,1,1-Trichloroethane	0.033	0.059	0.072	0.044	0.018	0.008	0.003	0.009
1,1-Dichloroethane	0.055	0.11 D	0.049	0.016 J	0.021	0.01	0.003	0.007
1,1-Dichloroethene	0.012 (IDW,RDW)	0.021 (IDW,RDW)	0.013 (IDW,RDW)	0.005 J	0.004	0.001	0.0003 J	0.001
1,2-Dichloroethane	0.00076 J	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	0.0018	ND(0.001)	ND(0.001 J)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	0.00089 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0001 J	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0012	0.00059 J	ND(0.001)	ND(0.001)	ND(0.001)	0.0003 J	ND(0.001)	ND(0.001 J)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-36-02	10/4/2001	10/13/2004	11/2/2006	11/14/2007
VOC				
1,1,1-Trichloroethane	ND(0.001)	0.0004 J	0.0002 J /0.0001 J	0.0004 J
1,1-Dichloroethane	0.00076 J	0.004 J	0.001 /0.002	0.001
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)	ND(0.001) /ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	0.0004 J	ND(0.005) /ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)

RFI-36-03	9/27/2001	6/18/2002	3/25/2003	6/9/2005	11/2/2006	4/23/2007	6/26/2007
VOC							
1,1,1-Trichloroethane	0.042	0.019	0.054	0.002	0.008	0.005	0.004 /0.005
1,1-Dichloroethane	0.0045	0.086	0.16 D	ND(0.001)	0.0008 J	0.001	0.003 /0.003
1,1-Dichloroethene	ND(0.001)	0.00076 J	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloroethane	ND(0.001)	0.0019	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Benzene	ND(0.001)	ND(0.001)	0.0028	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	ND(0.001)	0.016	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J) /ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	0.00077 J	0.0012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) /ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Trichloroethene	0.00068 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001)	0.0019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J) /ND(0.001 J)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)

36-FP1	9/27/2001	6/14/2002	3/27/2003	6/9/2005
VOC				
1,1,1-Trichloroethane	0.14 JD /0.15 JD	0.098 D	0.24 D (IDW,RDW)	0.186
1,1-Dichloroethane	0.31 JD /0.32 JD	0.11 D	0.5 D	0.401
1,1-Dichloroethene	0.0017 J /0.0016 J	0.0011	0.0056	ND(0.005)
1,2-Dichloroethane	ND(0.001 J) /ND(0.001 J)	0.0042	0.004	ND(0.005)
Benzene	2 JD (IDW,RDW) /1.9 JD (IDW,RDW)	1.3 D (IDW,RDW)	2 D (IDW,RDW)	0.711 (IDW,RDW)
Chloroethane	0.052 J /0.06 J	0.023	0.089	0.069 J
cis-1,2-Dichloroethene	0.0023 J /0.0022 J	0.0018	0.0025	ND(0.005)
Ethylbenzene	ND(0.001 J) /ND(0.001 J)	ND(0.001)	ND(0.001)	ND(0.005)
Methylene chloride	ND(0.005 J) /ND(0.005 J)	ND(0.005 J)	ND(0.005)	ND(0.03)
Toluene	ND(0.001 J) /ND(0.001 J)	ND(0.001)	ND(0.001)	ND(0.005)
Trichloroethene	0.035 JD (IDW,RDW) /0.034 JD (IDW,RDW)	0.018 (IDW,RDW)	0.018 (IDW,RDW)	0.005 J
Vinyl chloride	0.0031 J (IDW,RDW) /0.003 J (IDW,RDW)	0.0013	0.0081 (IDW,RDW)	ND(0.005)
Xylenes (total)	ND(0.002) /ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)

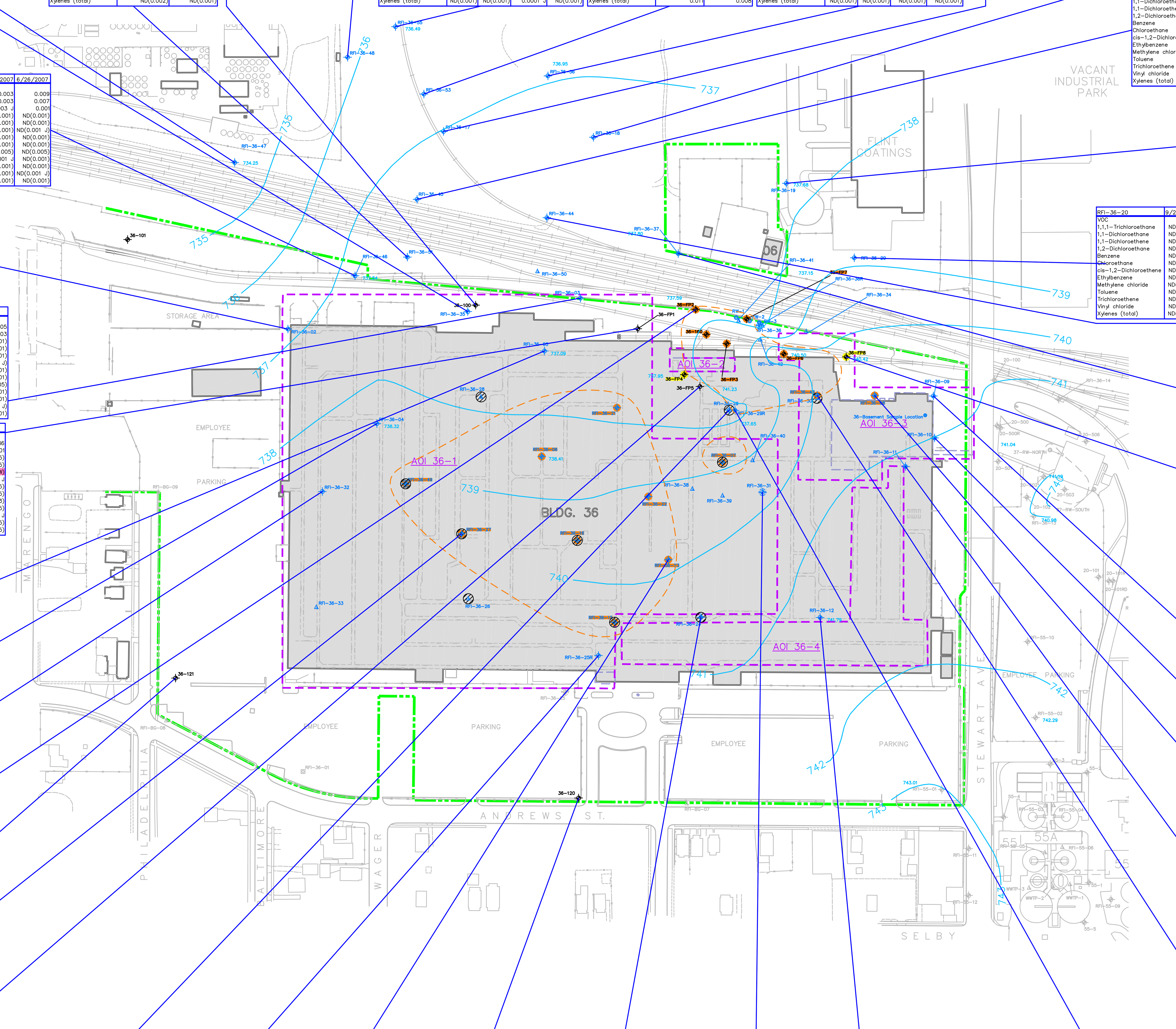
RFI-36-05	9/21/2001	12/16/2002	4/2/2003	6/10/2005
VOC				
1,1,1-Trichloroethane	0.48 D (IDW,RDW) /0.44 D (IDW,RDW)	0.19 D	0.12 D	0.209 (IDW,RDW)
1,1-Dichloroethane	0.49 D /0.45 D	0.33 D	0.24 D	0.404
1,1-Dichloroethene	0.014 (IDW,RDW) /0.014 (IDW,RDW)	0.0056	0.0025	0.009 (IDW,RDW)
1,2-Dichloroethane	0.0007 J /0.00076 J	ND(0.001)	ND(0.001)	ND(0.005)
Benzene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Chloroethane	0.0074 /0.0071	0.0082	0.017	ND(0.005)
cis-1,2-Dichloroethene	0.0045 /0.0043	0.0019	0.001	0.003 J
Ethylbenzene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Methylene chloride	ND(0.005) /ND(0.005)	ND(0.005)	ND(0.005)	ND(0.03)
Toluene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)
Trichloroethene	0.0063 (IDW,RDW) /0.0062 (IDW,RDW)	0.0023	0.0014	ND(0.005)
Vinyl chloride	0.008 (IDW,RDW) /0.0076 (IDW,RDW)	0.00069 J	ND(0.001)	0.019 (IDW,RDW)
Xylenes (total)	ND(0.002) /ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)

RFI-36-04	9/28/2001
VOC	
1,1,1-Trichloroethane	ND(0.001 J)
1,1-Dichloroethane	0.00082 J
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001 J)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-36-32	9/28/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	0.00053 J
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

36-FP2	9/28/2001	6/14/2002	3/25/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	0.00064 J	ND(0.001)
1,1-Dichloroethane	0.0023	0.0034	0.0051
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	0.0052 (IDW,RDW)	0.013 (IDW,RDW)
Benzene	4 D (IDW,RDW)	2.7 D (IDW,RDW)	4.5 D (IDW,RDW)
Chloroethane	0.017	0.021	0.0098
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)

36-121	9/27/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)



RFI-36-27	2/20/2002
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	0.00083 J
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

36-FP5	9/28/2001	12/16/2002	4/2/2003
VOC			
1,1,1-Trichloroethane	0.019	0.0083	0.011
1,1-Dichloroethane	0.018	0.011	0.011
1,1-Dichloroethene	0.0026	0.00091 J	ND(0.001)
1,2-Dichloroethane	0.00085 J	0.00051 J	ND(0.001)
Benzene	0.0015	0.00091 J	ND(0.001)
Chloroethane	ND(0.001)	0.0026	0.0019
cis-1,2-Dichloroethene	0.00059 J	0.0006 J	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.0012	ND(0.001)	ND(0.001)
Vinyl chloride	0.0025 (IDW,RDW)	0.0012	0.0014
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)

RFI-36-29	10/3/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	0.049
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	0.0021
Benzene	0.087 (IDW,RDW)
Chloroethane	0.0013
cis-1,2-Dichloroethene	0.0072
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.0017)
Trichloroethene	ND(0.001)
Vinyl chloride	0.004 (IDW,RDW)
Xylenes (total)	ND(0.002)

RFI-36-25R	2/26/2002
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	0.0018
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.00062 J

RFI-36-23	2/20/2002	6/19/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.0017	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	0.00084 J	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	0.021
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)
Toluene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)

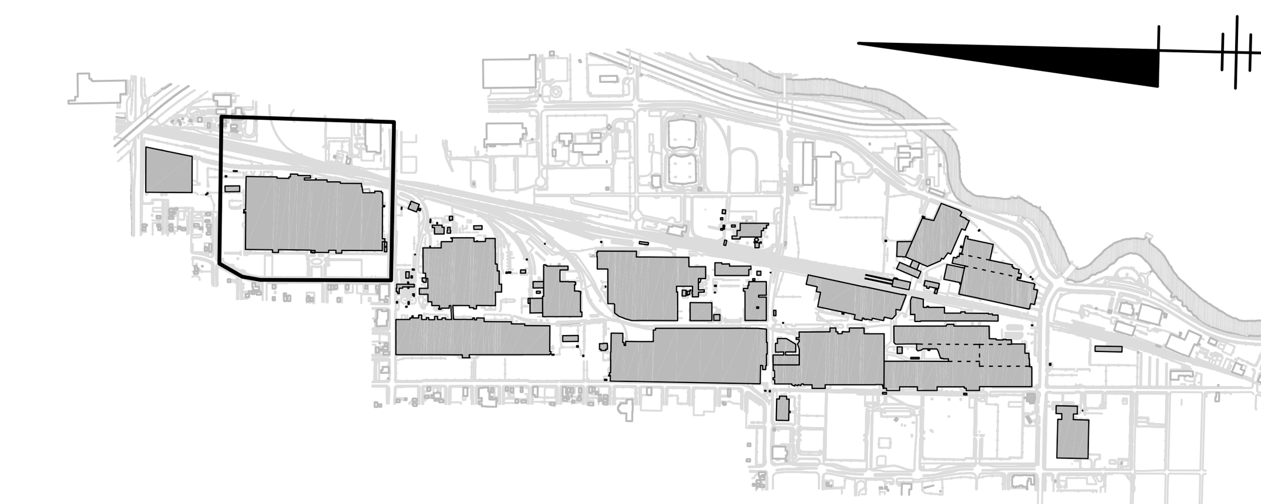
36-120	9/27/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-36-24	10/5/2001	6/19/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.068	0.0064
1,1-Dichloroethene	0.013 (IDW,RDW)	0.0016
1,2-Dichloroethane	ND(0.001)	ND(0.001)
Benzene	0.0006 J	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.15 D (IDW,RDW)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)
Toluene	ND(0.001)	ND(0.001)
Trichloroethene	0.099 (IDW,RDW)	ND(0.001)
Vinyl chloride	0.0046 (IDW,RDW)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)

RFI-36-31	10/5/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	0.0061
1,1-Dichloroethene	0.0021
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-36-12	9/28/2001
VOC	
1,1,1-Trichloroethane	0.0014
1,1-Dichloroethane	0.024
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	0.012
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	0.0012
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-36-29R	2/26/2002	6/20/2002	4/3/2003
VOC			
1,1,1-Trichloroethane	ND(0.001) /ND(0.001)	ND(0.001 J) /ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.024 /0.026	0.018 J /0.028 J	0.081
1,1-Dichloroethene	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
1,2-Dichloroethane	0.002 /0.0024	0.0017 /0.0027	0.0069 (IDW,RDW)
Benzene	0.045 J (IDW,RDW) /0.047 (IDW,RDW)	0.05 J (IDW,RDW) /0.085 J (IDW,RDW)	0.36 D (IDW,RDW)
Chloroethane	0.04 /0.042	0.026 J /0.04 J	0.093
cis-1,2-Dichloroethene	0.0058 J /0.0066 J	0.0043 J /0.0068 J	0.018
Ethylbenzene	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005) /ND(0.005)	ND(0.005) /ND(0.005)	ND(0.005)
Toluene	0.0026 J /0.0029	0.00057 J /0.001	ND(0.001)
Trichloroethene	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Vinyl chloride	0.058 (IDW,RDW) /0.06 (IDW,RDW)	0.029 J (IDW,RDW) /0.05 J (IDW,RDW)	0.078 D (IDW,RDW)
Xylenes (total)	0.0008 J /0.0008 J	ND(0.002) /ND(0.002)	ND(0.002)



SITE LOCATION

RFI-36-45	2/20/2002	6/20/2002	3/25/2003	6/10/2005
VOC				
1,1,1-Trichloroethane	0.31 D (IDW,RDW)	0.19 D	0.22 D (IDW,RDW) /0.2 D	0.013 /0.013
1,1-Dichloroethane	0.75 D	0.44 D	1.1 D (RDW) /1.1 D (RDW)	0.121 /0.135
1,1-Dichloroethene	0.023 (IDW,RDW)	0.021 (IDW,RDW)	0.073 (IDW,RDW) /0.074 (IDW,RDW)	0.013 (IDW,RDW) /0.013 (IDW,RDW)
1,2-Dichloroethane	0.0037	0.0019	0.0053 (IDW,RDW) /0.0056 (IDW,RDW)	ND(0.001) /ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	0.074	0.11 D	0.11 D /0.1 D	0.005 J /0.004 J
cis-1,2-Dichloroethene	0.003	0.0024	0.011 /0.011	0.001 /0.001
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Methylene chloride	0.0021 J	ND(0.005)	ND(0.005) /ND(0.005)	ND(0.005) /ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Trichloroethene	ND(0.001)	0.00057 J	ND(0.001) /ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	0.074 (IDW,RDW)	0.065 (IDW,RDW)	0.11 D (IDW,RDW) /0.11 D (IDW,RDW)	ND(0.001) /ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002) /ND(0.002)	ND(0.001) /ND(0.001)

RFI-36-19	9/28/2001	10/6/2004	12/8/2005	6/26/2007	10/30/2007
VOC					
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)	ND(0.001)	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0001 J
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-36-20	9/28/2001	10/6/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)

RFI-36-44	2/20/2002	6/20/2002	3/25/2003	10/7/2004	6/8/2005
VOC					
1,1,1-Trichloroethane	0.051	0.033	0.042	0.048	0.028
1,1-Dichloroethane	0.03	0.025	0.037	0.033	0.029
1,1-Dichloroethene	0.0022	0.0017	0.0024	0.0008 J	0.001
1,2-Dichloroethane	0.00061 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	0.012	0.0064	0.013	ND(0.001 J)	0.003
cis-1,2-Dichloroethene	0.00083 J	0.00073 J	0.0011	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.0054 (IDW,RDW)	0.0031	0.0039	0.002	0.001
Vinyl chloride	0.002	0.0016	0.0021 (IDW,RDW)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)

RFI-36-37	9/28/2001	6/22/2002	6/10/2005	6/26/2007	10/30/2007
VOC					
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	0.0006 J	0.0001 J	ND(0.001)
1,1-Dichloroethane	0.22 D	0.053	0.001	ND(0.001)	ND(0.001)
1,1-Dichloroethene	0.0057	0.0015	0.002	ND(0.001)	ND(0.001)
1,2-Dichloroethane	0.004	0.0017	ND(0.001)	ND(0.001)	0.001
Benzene	0.0032	ND(0.001)	0.009 (IDW,RDW)	0.009 (IDW,RDW)	0.013 (IDW,RDW)
Chloroethane	0.18 D	0.1	0.005 J	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	0.0028	0.001	0.0004 J	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0002 J
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0027 (IDW,RDW)	0.00056 J	ND(0.001)	ND(0.001 J)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)	0.0003 J	ND(0.001)

36-FP8	9/27/2001	6/17/2002	3/25/2003
VOC			
1,1,1-Trichloroethane	0.0018	0.001	ND(0.001)
1,1-Dichloroethane	0.0011	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)
Toluene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)

RFI-36-09	9/27/2001	4/23/2007
VOC		
1,1,1-Trichloroethane	0.01	0.001
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	0.0002 J
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)

RFI-36-10	9/28/2001	4/23/2007
VOC		
1,1,1-Trichloroethane	0.021	0.004
1,1-Dichloroethane	0.002	0.0004 J
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Toluene	ND(0.001)	0.0001 J
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)

RFI-36-08	9/27/2001	6/14/2002	3/25/2003	10/8/2004
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
1,1-Dichloroethane	0.0021	0.0019	ND(0.001)	ND(0.01)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	0.0011	ND(0.01)
Benzene	0.59 D (IDW,RDW)	1.3 D (IDW,RDW)	0.13 D (IDW,RDW)	0.78 (IDW,RDW)
Chloroethane	0.00076 J	ND(0.001)	ND(0.001)	ND(0.01 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Ethylbenzene	0.43 D	1.2 D (IDW,RDW)	0.025	0.77 (IDW,RDW)
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)	0.01 J (IDW,RDW)
Toluene	2.8 D (IDW,RDW)	0.87 D	0.098 D	1.5 (IDW,RDW)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Xylenes (total)	2.75	3.3	0.34	2.5 J

RFI-36-11	9/21/2001
VOC	
1,1,1-Trichloroethane	0.011
1,1-Dichloroethane	0.014
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Toluene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-36-43	2/26/2002
VOC	
1,1,1-Trichloroethane	ND(1)
1,1-Dichloroethane	ND(1)
1,1-Dichloroethene	ND(1)
1,2-Dichloroethane	ND(1)
Benzene	6 D (IDW,RDW,RGVIA)
Chloroethane	ND(1)
cis-1,2-Dichloroethene	ND(1 J)
Ethylbenzene	1.3 D (IDW,RDW)
Methylene chloride	ND(5)
Toluene	20 D (IDW,RDW)
Trichloroethene	ND(1)
Vinyl chloride	ND(1)
Xylenes (total)	5

LEGEND

GM PROPERTY BOUNDARY

PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)

APPROXIMATE AOI BOUNDARY

AOI 81-1 — AOI ID

BASEMENT/TUNNEL AREA

ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL

736 — WATER TABLE ELEVATION CONTOUR (FT AMSL) (DASHED WHERE INFERED)

742.29 — GROUNDWATER ELEVATION (IN FEET)

[743.01] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS

04-140 — HISTORICAL MONITORING WELL LOCATION

RFI-83/84-03 — RFI SOIL BORING LOCATION

RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION

RFI-09-01 — RFI MONITORING WELL LOCATION

RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL

RFI-36-01 — RFI PIEZOMETER

LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005 (REVIEWED IN 2006 AT MONITORING PROGRAM LPCATIONS)

LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED

LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL

EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:
IDW – INDUSTRIAL DRINKING WATER

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)–CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS–NOT ANALYZED FOR THIS CONSTITUENT.
9. J–ESTIMATED CONCENTRATION.
10. D–CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
11. RDW–EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.
12. RGVIA – EXCEEDS MICHIGAN PART 201 RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR CRITERIA
13. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.

0 150' 300'
GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - BUILDING 36 AREA

ARCADIS

FIGURE
3

CITY: SYR DIV/GROUP: 85 DB: KFS GMS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF* GRAYX01|SHD-BUILDING, *|HIST_SB, *GRAYX03|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, GRAYX01|PROPERTY, GRAYX03|NAPL_EVID
G:\CAD\ACT\B0064410\0000\10500\DWG\CA750-07\64410C02.DWG LAYOUT: 4 SAVED: 3/31/2008 11:04 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:30 AM BY: STOWELL, GARY
XREFS: IMAGES:
64410X01 64410X03 64410X02 64410X01 64410X03 64410X06 64410X06 64410X29 64410X00

20-500R	11/2/2006	10/26/2007
VOC		
1,1,1-Trichloroethane	ND(0.005)	ND(0.001)
1,1-Dichloroethane	ND(0.005)	ND(0.001)
1,1-Dichloroethene	ND(0.005)	ND(0.001)
1,2-Dichloroethane	ND(0.005)	ND(0.001)
1,2-Dichloropropane	ND(0.005)	ND(0.001)
Benzene	0.025 (IDW,RDW)	0.065 (IDW,RDW)
Chloroethane	ND(0.005)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.005)	ND(0.001)
Methylene chloride	ND(0.03)	ND(0.005)
Trichloroethene	ND(0.005)	ND(0.001)
Vinyl chloride	ND(0.005)	ND(0.001)

RFI-36-14	10/2/2001	6/17/2002	10/11/2004	11/2/2006	10/26/2007
VOC					
1,1,1-Trichloroethane	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005) /ND(0.005)	ND(0.005 J)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-28	12/12/2002	10/6/2004	12/8/2005	10/25/2007
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J) /ND(0.001 J)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005) /ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-31	4/24/2003	10/7/2004
VOC		
1,1,1-Trichloroethane	0.0087	0.0004 J
1,1-Dichloroethane	0.007	ND(0.001)
1,1-Dichloroethene	0.0011	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	0.0043	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-10-29	12/12/2002	6/30/2005	12/8/2005	6/28/2007	10/25/2007
VOC					
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-36	6/29/2005	12/8/2005	6/28/2007	10/25/2007
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	0.009
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-32	4/4/2005	6/9/2005
VOC		
1,1,1-Trichloroethane	0.187	0.258 (IDW,RDW) /0.283 (IDW,RDW)
1,1-Dichloroethane	0.14	0.253 /0.281
1,1-Dichloroethene	0.026 (IDW,RDW)	0.033 (IDW,RDW) /0.037 (IDW,RDW)
1,2-Dichloroethane	ND(0.001)	ND(0.005) /ND(0.005)
1,2-Dichloropropane	ND(0.001)	ND(0.005) /ND(0.005)
Benzene	0.0001 J	0.001 J /ND(0.005)
Chloroethane	0.067 J	0.11 J /0.115
cis-1,2-Dichloroethene	0.002	0.003 J /0.004 J
Methylene chloride	ND(0.005)	ND(0.03) /ND(0.03)
Trichloroethene	ND(0.001)	ND(0.005) /ND(0.005)
Vinyl chloride	0.002	ND(0.005) /ND(0.005)

20-100	9/21/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

37-01	9/26/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	0.0075
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

20-103N	9/21/2001	6/19/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-10-06	9/24/2001	6/19/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	0.64 D (IDW,RDW)	0.34 D (IDW,RDW)	1 D (IDW,RDW)
1,1-Dichloroethane	0.23 D	0.095 D	0.73 D
1,1-Dichloroethene	0.087 (IDW,RDW)	0.056 (IDW,RDW)	0.13 D (IDW,RDW)
1,2-Dichloroethane	0.00082 J	ND(0.001)	0.0018
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.001	ND(0.001)	0.002
Chloroethane	0.25 D	0.1	0.096 D
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	0.003
Methylene chloride	0.0042 J	ND(0.005 J)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0013	0.00064 J	ND(0.001)

RFI-10-15	9/24/2001	10/6/2004
VOC		
1,1,1-Trichloroethane	0.0026	ND(0.001)
1,1-Dichloroethane	0.0035	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	0.0018	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-10-34	6/29/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-10-35	6/29/2005	12/8/2005	6/28/2007	10/25/2007
VOC				
1,1,1-Trichloroethane	0.003	0.001	0.0002 J	0.0006 J
1,1-Dichloroethane	0.015	0.031	0.029	0.038
1,1-Dichloroethene	0.001	0.002	0.002	0.004
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

20-500	9/21/2001	6/14/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.00065 J	ND(0.001)	0.0012
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.0047	0.0013	0.0017
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	0.012
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	0.0042
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

20-102	9/25/2001	6/21/2002	3/27/2003
VOC			
1,1,1-Trichloroethane	0.011	0.0015 J	0.0017
1,1-Dichloroethane	0.00069 J	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0054	0.0014	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	0.044 (IDW,RDW)	0.012 (IDW,RDW)	0.0078 (IDW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-36-13	11/9/2001	6/24/2002
VOC		
1,1,1-Trichloroethane	0.012	0.011 /0.012
1,1-Dichloroethane	0.0046	0.0041 /0.0044
1,1-Dichloroethene	ND(0.001)	0.0015 /0.0015
1,2-Dichloroethane	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001) /ND(0.001)
Benzene	ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	ND(0.001)	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	0.003	0.061 /0.065
Methylene chloride	ND(0.005)	ND(0.005) /ND(0.005)
Trichloroethene	0.029 (IDW,RDW)	0.032 (IDW,RDW) /0.031 (IDW,RDW)
Vinyl chloride	0.0062 (IDW,RDW)	0.014 (IDW,RDW) /0.014 (IDW,RDW)

20-101R	11/15/2001	6/19/2002	10/11/2004
VOC			
1,1,1-Trichloroethane	1.8 D (IDW,RDW)	2.4 D (IDW,RDW)	0.86 (IDW,RDW)
1,1-Dichloroethane	5.9 D (IDW,RDW)	12 D (IDW,RDW)	3.47 J (IDW,RDW)
1,1-Dichloroethene	0.014 (IDW,RDW)	0.0092 (IDW,RDW)	0.055 (IDW,RDW)
1,2-Dichloroethane	0.0025	0.0044	0.003
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	1.3 JD (RDW)	2.2 D (IDW,RDW)	1.62 J (RDW)
cis-1,2-Dichloroethene	0.0018	0.0012	0.0009 J
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.28 D (IDW,RDW)	0.52 D (IDW,RDW)	0.28 (IDW,RDW)

RFI-55-10	2/26/2002	6/17/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-55-02	9/27/2001	6/17/2002	10/8/2004
VOC			
1,1,1-Trichloroethane	0.003	0.0014	0.002 /0.002
1,1-Dichloroethane	0.00081 J	ND(0.001)	0.0007 J /0.0008 J
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloropropane	0.011 (IDW,RDW)	0.0058 (IDW,RDW)	0.007 (IDW,RDW) /0.007 (IDW,RDW)
Benzene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001 J) /ND(0.001 J)
cis-1,2-Dichloroethene	0.0035	0.0014	0.001 /0.001
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005) /ND(0.005)
Trichloroethene	0.0083 (IDW,RDW)	0.0041	0.008 (IDW,RDW) /0.008 (IDW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)

55-3	9/26/2001	10/8/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.008	0.004
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	0.0003 J
Benzene	ND(0.001)	0.0002 J
Chloroethane	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	0.0024	0.002
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.0043	0.002
Vinyl chloride	ND(0.001)	ND(0.001)

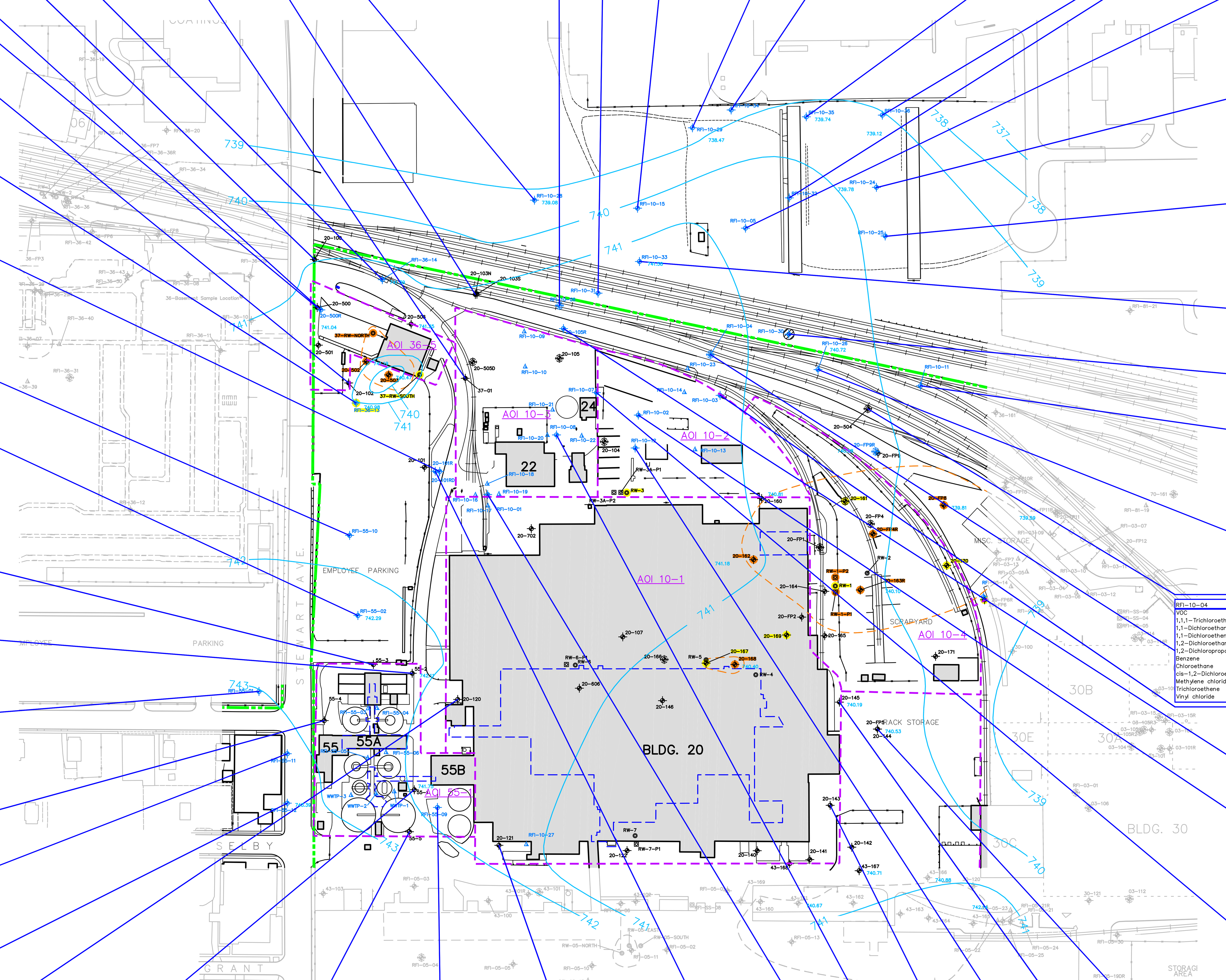
55-2	9/26/2001	3/20/2003
VOC		
1,1,1-Trichloroethane	0.00078 J	ND(0.001)
1,1-Dichloroethane	0.0058	0.003
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	0.00056 J	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0018	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.00054 J	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-55-01	9/26/2001	6/12/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

55-4	9/26/2001	6/12/2002	3/21/2003	10/8/2004
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	0.0003 J
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	0.13 D (IDW,RDW)	0.0064 (IDW,RDW)	ND(0.001)	0.14 (IDW,RDW)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	0.0005 J
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	0.0048	ND(0.001)	ND(0.001)	0.007
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	0.044 (IDW,RDW)	0.015 (IDW,RDW)	0.011 (IDW,RDW)	0.007 (IDW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-55-11	9/26/2003	10/8/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	0.00042 J	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	0.12 D (IDW,RDW)	0.069 (IDW,RDW)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	0.0082	0.005
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.018 (IDW,RDW)	0.017 (IDW,RDW)
Vinyl chloride	ND(0.001)	0.003 (IDW,RDW)

RFI-55-12	9/26/2003	10/8/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	0.00048 J	0.0004 J
1,2-Dichloroethane	0.0004 J	ND(0.001)
1,2-Dichloropropane	0.05 (IDW,RDW)	0.007 (IDW,RDW)
Benzene	ND(0.001)	0.0003 J
Chloroethane	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	0.0013	0.0006 J
Methylene chloride	ND(0.005)	0.0005 J
Trichloroethene	0.068 (IDW,RDW)	0.107 (IDW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)



RFI-55-09	9/27/2001	6/18/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	0.0027	0.0028	0.0023
1,1-Dichloroethane	0.012	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0082	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0021 (IDW,RDW)	ND(0.001)	0.0013

20-101RD	3/27/2003	10/11/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	0.0004 J
1,1-Dichloroethane	0.0033	0.004 J
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	0.017 (IDW,RDW)	0.01 (IDW,RDW)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	6.4 D (IDW,RDW)	7.4 J (IDW,RDW)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	0.005
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	0.062 (IDW,RDW)	0.107 (IDW,RDW)

RFI-10-08	9/26/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-10-12	9/26/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	0.002
Chloroethane	0.12 D
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

20-120	9/21/2001	6/17/2002
VOC		
1,1,1-Trichloroethane	0.035	0.023
1,1-Dichloroethane	0.004	0.0054
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	0.00077 J
Methylene chloride	ND(0.005)	ND(0.005 J)
Trichloroethene	0.0026	0.0019
Vinyl chloride	ND(0.001)	ND(0.001)

55-1	9/26/2001	6/12/2002	3/20/2003
VOC			
1,1,1-Trichloroethane	0.0011	ND(0.001)	ND(0.001) /ND(0.001)
1,1-Dichloroethane	0.032	0.027	0.015 /0.015
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Benzene	0.01 (IDW,RDW)	0.018 (IDW,RDW)	0.0015 /0.0016
Chloroethane	0.045	0.079	0.0092 /0.011
cis-1,2-Dichloroethene	0.0015	0.0007 J	0.0012 /0.0012
Methylene chloride	0.00053 J	ND(0.005)	ND(0.005) /ND(0.005)
Trichloroethene	0.00094 J	ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	0.028 (IDW,RDW)	0.02 J (IDW,RDW)	0.013 (IDW,RDW) /0.013 (IDW,RDW)

55-5	9/26/2001	6/12/2002	3/20/2003	10/4/2004
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	0.00057 J	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.018 (IDW,RDW)	0.01 J (IDW,RDW)	0.0061 (IDW,RDW)	0.022 (IDW,RDW)

20-121	9/21/2001	6/14/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	0.21 D (IDW,RDW)	0.11 D /0.11 D	0.097
1,1-Dichloroethane	0.69 D	0.37 D /0.38 D	0.2 D
1,1-Dichloroethene	0.013 (IDW,RDW)	0.0049 /0.0053	0.0058
1,2-Dichloroethane	0.0032	0.0019 /0.002	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Benzene	0.0005 J	ND(0.001) /ND(0.001)	ND(0.001)
Chloroethane	0.021	0.0095 /0.009	ND(0.001)
cis-1,2-Dichloroethene	0.25 D (IDW,RDW)	0.16 D (IDW,RDW) /0.17 D (IDW,RDW)	0.06
Methylene chloride	ND(0.005)	ND(0.005 J) /ND(0.005 J)	ND(0.005)
Trichloroethene	ND(0.001)	0.00058 J /0.00061 J	ND(0.001)
Vinyl chloride	0.00053 J	ND(0.001) /ND(0.001)	ND(0.001)

RFI-10-01	9/24/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	0.0011
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	0.00071 J
1,2-Dichloropropane	ND(0.001)
Benzene	0.0016
Chloroethane	0.17 D
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

20-143	10/12/2004
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	0.0005 J
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

20-145	9/25/2001	6/18/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.0016	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0019	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.0011	0.0012
Vinyl chloride	0.0032 (IDW,RDW)	ND(0.001)

20-144	2/22/2002	6/18/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	0.00093 J
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	0.00077 J	0.00054 J

RFI-10-05	9/24/2001	6/25/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	0.58 D (IDW,RDW)	0.14 D	0.49 D (IDW,RDW)
1,1-Dichloroethane	1.1 D (RDW)	0.17 D	0.7 D
1,1-Dichloroethene	0.11 D (IDW,RDW)	0.029 (IDW,RDW)	0.09 (IDW,RDW)
1,2-Dichloroethane	0.0014	ND(0.001)	0.0012
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	0.69 D (RDW)	0.27 D	1 D (RDW)
cis-1,2-Dichloroethene	0.023	0.0037	0.02
Methylene chloride	0.024 (IDW,RDW)	0.0087 (IDW,RDW)	0.029 (IDW,RDW)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.026 (IDW,RDW)	0.0066 (IDW,RDW)	0.033 (IDW,RDW)

RFI-10-24	2/20/2002	6/25/2002	3/26/2003	10/6/2004	12/8/2005	6/28/2007	10/25/2007
VOC							
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-25	2/20/2002	3/26/2003	10/6/2004
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-33	6/29/2005	12/8/2005	10/25/2007
VOC			
1,1,1-Trichloroethane	0.019	0.063	0.076 /0.076
1,1-Dichloroethane	0.021	0.06	0.068 /0.073
1,1-Dichloroethene	0.004	0.01 (IDW,RDW)	0.011 (IDW,RDW) /0.012 (IDW,RDW)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Chloroethane	0.004	0.005	0.003 /0.004
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	0.0004 J /0.0004 J
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005) /ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)

RFI-10-11	10/1/2001	6/21/2002	10/8/2004
VOC			
1,1,1-Trichloroethane	0.00077 J	ND(0.001 J)	0.0006 J
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-30	4/24/2003	10/7/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-10-26	2/21/2002	6/20/2002	11/2/2006	10/26/2007
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	0.002
1,1-Dichloroethane	0.0042	ND(0.001)	ND(0.001)	0.0002 J
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	0.021	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0056	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

20-504	9/21/2001
VOC	
1,1,1-Trichloroethane	0.00071 J
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethane	ND(0.001)
1,2-Dichloropropane	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-10-04	9/26/2001	6/21/2002
VOC		
1,1,1-Trichloroethane	0.014	0.0071 J
1,1-Dichloroethane	0.0054	0.0021
1,1-Dichloroethene	0.001	0.00056 J
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.0032	0.0014
Vinyl chloride	ND(0.001)	ND(0.001)

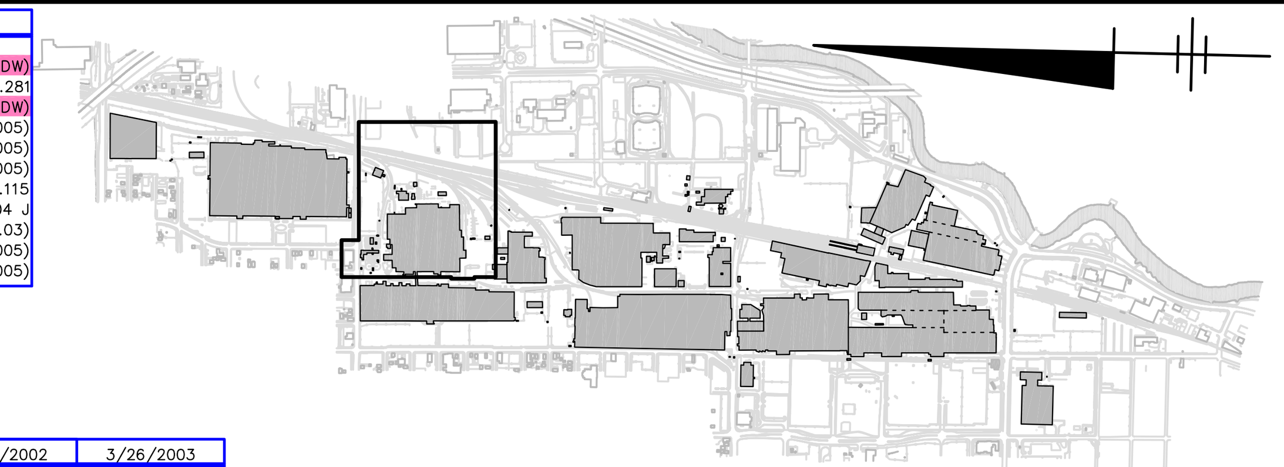
RFI-10-03	9/26/2001	6/19/2002	3/25/2003
VOC			
1,1,1-Trichloroethane	0.13 D	0.22 D (IDW,RDW)	0.18 D
1,1-Dichloroethane	0.63 D	0.58 D	0.75 D
1,1-Dichloroethene	0.059 (IDW,RDW)	0.083 (IDW,RDW)	0.038 (IDW,RDW)
1,2-Dichloroethane	ND(0.001)	0.00053 J	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.0011	0.0012	ND(0.001)
Chloroethane	0.24 D	0.14 D	0.13 D
cis-1,2-Dichloroethene	0.15 D (IDW,RDW)	0.13 D (IDW,RDW)	0.053
Methylene chloride	0.0084 (IDW,RDW)	ND(0.0057 J)	ND(0.005)
Trichloroethene	0.15 D (IDW,RDW)	0.15 D (IDW,RDW)	0.16 D (IDW,RDW)
Vinyl chloride	0.06 (IDW,RDW)	0.054 (IDW,RDW)	0.01 (IDW,RDW)

20-105R	12/6/2001	6/19/2002	3/26/2003
VOC			
1,1,1-Trichloroethane	1.2 D (IDW,RDW)	0.71 D (IDW,RDW)	0.54 D (IDW,RDW)
1,1-Dichloroethane	0.15 D	0.078	0.086 D
1,1-Dichloroethene	0.073 (IDW,RDW)	0.04 (IDW,RDW)	0.047 (IDW,RDW)
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	0.066	0.016	0.063
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-10-02	9/24/2001	6/18/2002	3/27/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001) /NS
1,1-Dichloroethane	0.0018	0.0053 J	0.0013 /NS
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /NS
1,2-Dichloroethane	0.0013	0.0015 J	ND(0.001) /NS
1,2-Dichloropropane	ND(0.001)	ND(0.001)	ND(0.001) /NS
Benzene	0.017 (IDW,RDW)	0.016 J (IDW,RDW)	0.01 (IDW,RDW) /NS
Chloroethane	2.6 JD (IDW,RDW)	3.3 JD (IDW,RDW)	1.9 D (IDW,RDW) /NS
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /NS
Methylene chloride	0.008 (IDW,RDW)	ND(0.014 J)	ND(0.005) /NS
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001) /NS
Vinyl chloride	ND(0.001)	0.00083 J	ND(0.001) /NS

RFI-10-07	11/20/2001	3/26/2003
VOC		
1,1,1-Trichloroethane	0.041	0.015
1,1-Dichloroethane	0.0072 J	0.002
1,1-Dichloroethene	0.00086 J	ND(0.001)
1,2-Dichloroethane	ND(0.001)	ND(0.001)
1,2-Dichloropropane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

SITE LOCATION



LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- APPROXIMATE AOI BOUNDARY
- AOI 81-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL) (DASHED WHERE INFERED)
- 739.74 — GROUNDWATER ELEVATION (IN FEET)
- [739.78] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005 (REVIEWED IN 2006 AT MONITORING PROGRAM LOCATIONS)
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:
  IDW – INDUSTRIAL DRINKING WATER

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22-24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)-CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS-NOT ANALYZED FOR THIS CONSTITUENT.
9. J-ESTIMATED CONCENTRATION.
10. D-CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
11. RDW-EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.
12. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.

0 150' 300'
GRAPHIC SCALE

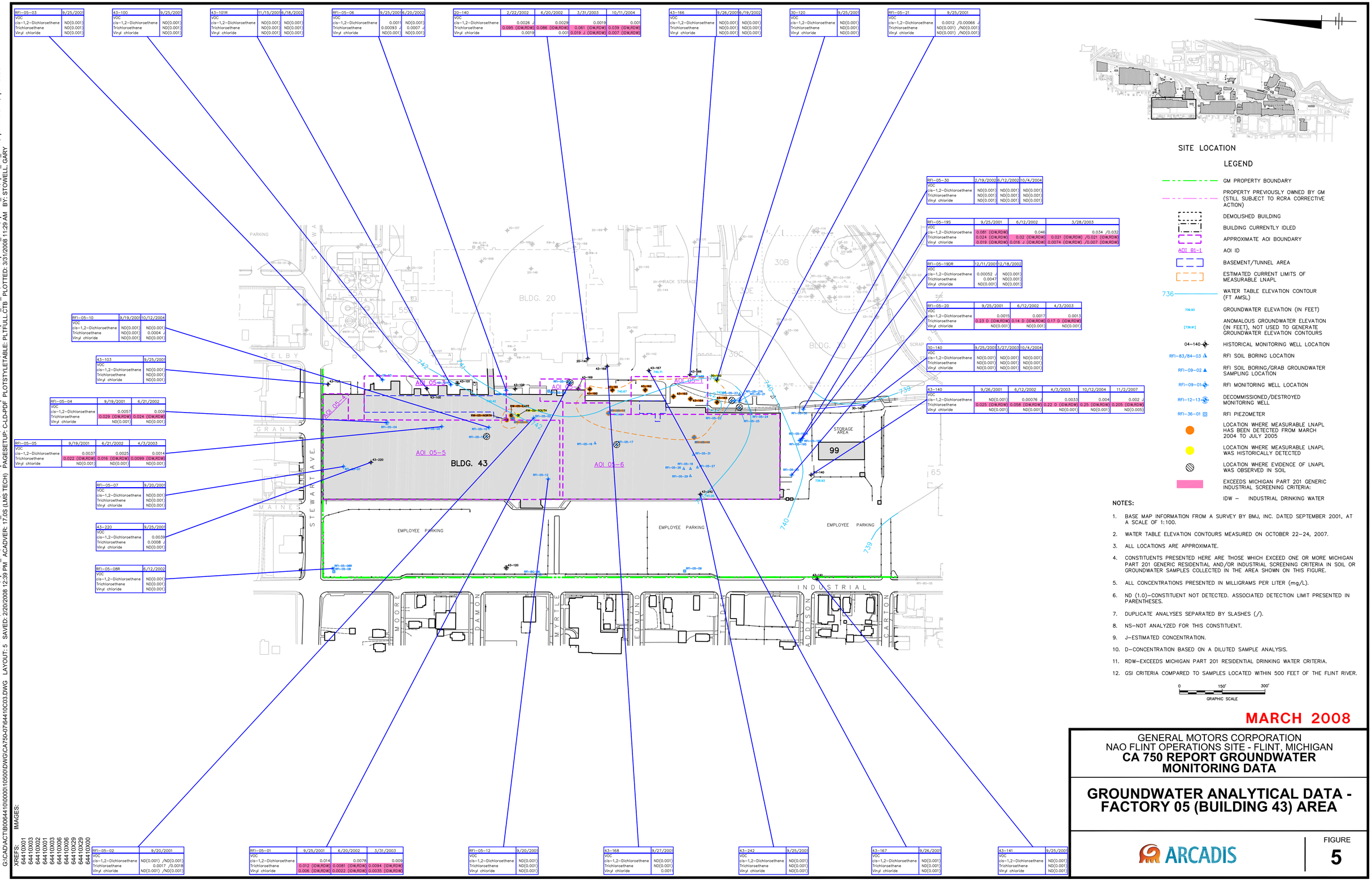
MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - BUILDING 20 AREA

ARCADIS

FIGURE 4



CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF*;*|HIST_SB, DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
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CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF*;*IHIST_SB_DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
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64410X03
64410X02
64410X01
64410X03
64410X06
64410X06
64410X29
64410X29
64410X00

IMAGES:

20-FP10	9/25/2001	2/22/2002	11/2/2006
VOC			
Benzene	0.0061 (IDW,RDW)	ND(0.0022)	0.0003 J
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

20-FP10R	10/26/2007
VOC	
Benzene	0.0002 J
Trichloroethene	0.002
Vinyl chloride	ND(0.001)

20-FP11	9/25/2001	6/19/2002
VOC		
Benzene	0.00069 J	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-81-21	10/4/2001	10/6/2004
VOC		
Benzene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

70-100	9/24/2001	6/13/2002	3/27/2003
VOC			
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.003 (IDW,RDW)	0.0029 J (IDW,RDW)	0.0027 (IDW,RDW)

70-109	9/24/2001	3/26/2003
VOC		
Benzene	ND(0.001)	0.003
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-03-04	9/21/2001	11/2/2007
VOC		
Benzene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-03-02	2/26/2002	6/13/2002
VOC		
Benzene	ND(0.001)	ND(0.001) /ND(0.001)
Trichloroethene	0.0026	0.0021 /0.002
Vinyl chloride	ND(0.001)	ND(0.001) /ND(0.001)

20-FP6	9/25/2001	2/20/2002	6/19/2002	3/27/2003
VOC				
Benzene	0.00065 J	ND(0.001)	0.0005 J	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0023 (IDW,RDW)	0.00057 J	0.0012	ND(0.001)

30-100	9/21/2001
VOC	
Benzene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-03-03	9/21/2001
VOC	
Benzene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

03-114	9/21/2001
VOC	
Benzene	ND(0.001)
Trichloroethene	0.00066 J
Vinyl chloride	ND(0.001)

03-114R	3/31/2003
VOC	
Benzene	ND(0.001)
Trichloroethene	0.011 (IDW,RDW)
Vinyl chloride	0.0084 (IDW,RDW)

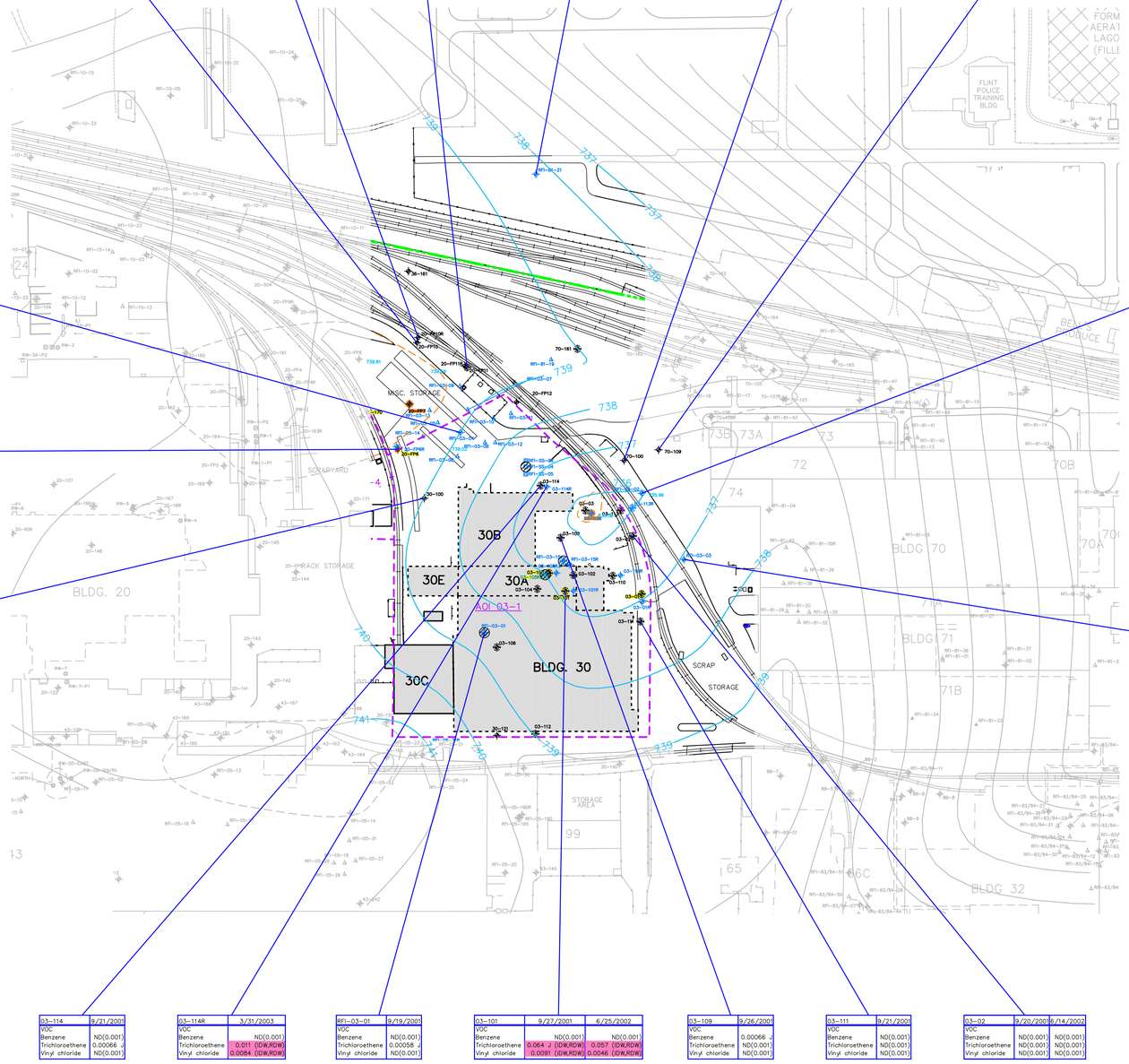
RFI-03-01	9/19/2001
VOC	
Benzene	ND(0.001)
Trichloroethene	0.00058 J
Vinyl chloride	ND(0.001)

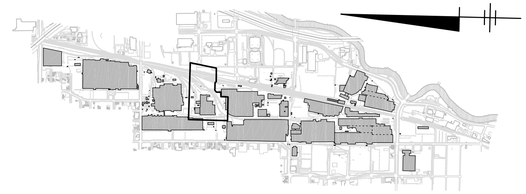
03-101	9/27/2001	6/25/2002
VOC		
Benzene	ND(0.001)	ND(0.001)
Trichloroethene	0.064 J (IDW,RDW)	0.057 (IDW,RDW)
Vinyl chloride	0.0091 (IDW,RDW)	0.0046 (IDW,RDW)

03-109	9/26/2001
VOC	
Benzene	0.00066 J
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

03-111	9/21/2001
VOC	
Benzene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

03-02	9/20/2001	6/14/2002
VOC		
Benzene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)





SITE LOCATION

LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- DEMOLISHED BUILDING
- BUILDING CURRENTLY IDLED
- APPROXIMATE AOI BOUNDARY
- AOI 81-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL)
- 738.02 — GROUNDWATER ELEVATION (IN FEET)
- [739.08] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005 (REVIEWED IN 2006 AT MONITORING PROGRAM LOCATIONS)
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:

  IDW – INDUSTRIAL DRINKING WATER

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)–CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS–NOT ANALYZED FOR THIS CONSTITUENT.
9. J–ESTIMATED CONCENTRATION.
10. RDW–EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.
11. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.

0 150' 300'
GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - BUILDING 30 AREA

ARCADIS

FIGURE 6

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF*, *|HIST_SB_DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
G:\CAD\ACT\B0064410\0000\10500\DWG\CA750-07\64410C05.DWG LAYOUT: 7 SAVED: 2/20/2008 12:45 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:29 AM BY: STOWELL, GARY
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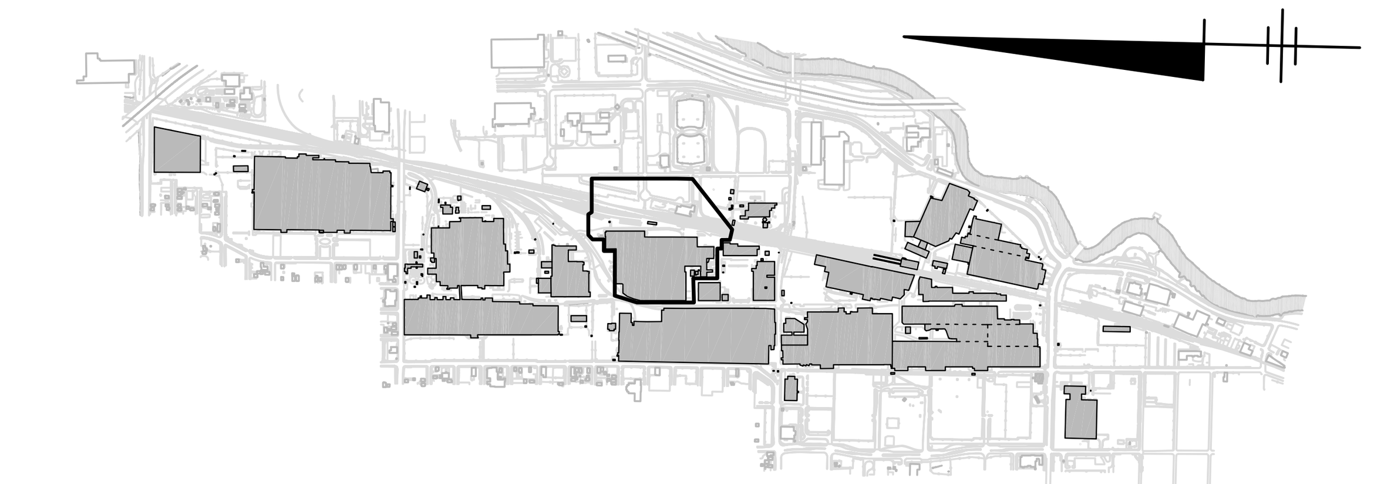
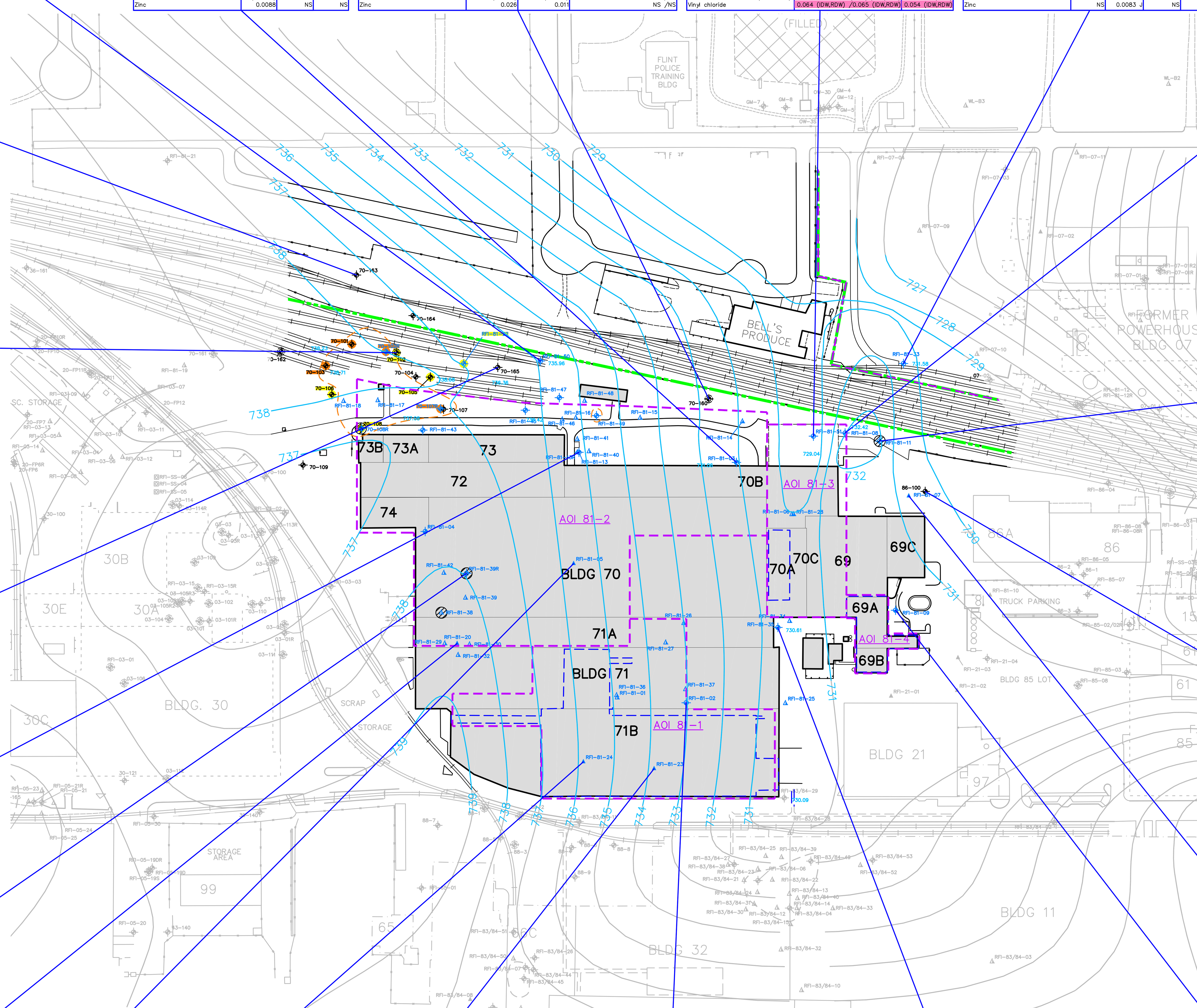


SITE LOCATION



RFI-81-50	4/4/2005	11/2/2006	10/31/2007
VOC			
1,1,1-Trichloroethane	NS /NS	ND(0.001)	ND(0.001)
1,1-Dichloroethane	NS /NS	ND(0.001)	ND(0.001)
1,1-Dichloroethene	NS /NS	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	NS /NS	ND(0.001)	ND(0.001)
Tetrachloroethene	NS /NS	ND(0.001)	ND(0.001)
Trichloroethene	NS /NS	0.0004 J	0.0002 J
Trifluorotrichloroethane (Freon 113)	NS /NS	ND(0.03)	ND(0.03)
Vinyl chloride	NS /NS	ND(0.001)	ND(0.001)
Inorganic			
Arsenic	NS /NS	NS	NS
Barium	NS /NS	NS	NS
Cadmium	NS /NS	NS	NS
Chromium Total	NS /NS	NS	NS
Cobalt	NS /NS	NS	NS
Lead	ND(0.003) /ND(0.003)	NS	ND(0.003)
Manganese	NS /NS	NS	NS
Nickel	NS /NS	NS	NS
Vanadium	NS /NS	NS	NS
Zinc	NS /NS	NS	NS

70-163	9/28/2001	6/20/2002	3/28/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	NS	NS
1,1-Dichloroethane	ND(0.001)	NS	NS
1,1-Dichloroethene	ND(0.001)	NS	NS
cis-1,2-Dichloroethene	0.0032	NS	NS
Tetrachloroethene	ND(0.001)	NS	NS
Trichloroethene	0.0021	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.001)	NS	NS
Vinyl chloride	0.00063 J	NS	NS
Inorganic			
Arsenic	0.01 J	0.0036	0.0053
Barium	0.068 J	0.026	0.038
Cadmium	0.00044 J	0.00019 J	0.00013 J
Chromium Total	0.0013	0.00054 J	0.00089
Cobalt	0.016 J	0.0076	0.014
Lead	0.00029 J	0.00037 J	0.0003 J
Manganese	3.2 J (IDW,RDW)	2.1 (RDW)	2.4 (RDW)
Nickel	0.028 J	0.011	0.039
Vanadium	ND(0.0008)	0.00027 J	0.00024 J
Zinc	0.016 J	ND(0.035 J)	0.0095
Inorganic-Dissolved			
Arsenic	ND(0.0075)	0.0019	NS
Barium	0.044	0.019	NS
Cadmium	ND(0.0002)	ND(0.0002)	NS
Chromium Total	ND(0.0006)	ND(0.0006)	NS
Cobalt	0.01	0.0059	NS
Lead	ND(0.0004)	ND(0.0004)	NS
Manganese	2.5 (RDW)	1.6 (RDW)	NS
Nickel	0.016	0.0092	NS
Vanadium	ND(0.0008)	ND(0.0008)	NS
Zinc	0.014	0.011 J	NS

70-102	9/27/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)
Vinyl chloride	ND(0.001)
Inorganic	
Arsenic	0.0046 J
Barium	0.085 J
Cadmium	ND(0.0002)
Chromium Total	0.001
Cobalt	0.0011 J
Lead	0.0004 J
Manganese	0.46 J
Nickel	0.018 J
Vanadium	ND(0.0008)
Zinc	0.065 J
Inorganic-Dissolved	
Arsenic	0.0028 J
Barium	0.057
Cadmium	ND(0.0002)
Chromium Total	ND(0.0006)
Cobalt	0.00091
Lead	ND(0.0004)
Manganese	0.41 J
Nickel	0.014
Vanadium	ND(0.0008)
Zinc	0.073

70-165	9/26/2001	6/22/2002	3/28/2003	10/7/2004	10/29/2007
VOC					
1,1,1-Trichloroethane	ND(0.001)	NS	NS	ND(0.001)	NS
1,1-Dichloroethane	ND(0.001)	NS	NS	ND(0.001)	NS
1,1-Dichloroethene	ND(0.001)	NS	NS	ND(0.001)	NS
cis-1,2-Dichloroethene	ND(0.001)	NS	NS	ND(0.001)	NS
Tetrachloroethene	ND(0.001)	NS	NS	ND(0.001)	NS
Trichloroethene	ND(0.001)	NS	NS	ND(0.001)	NS
Trifluorotrichloroethane (Freon 113)	ND(0.001 J)	NS	NS	ND(0.03)	NS
Vinyl chloride	ND(0.001)	NS	NS	ND(0.001)	NS
Inorganic					
Arsenic	NS	0.0027	0.0029	NS	NS
Barium	NS	0.02	0.043	NS	NS
Cadmium	NS	0.000064 J	ND(0.0002)	NS	NS
Chromium Total	NS	0.00042 J	0.00093	NS	NS
Cobalt	NS	0.0019	0.0012	NS	NS
Lead	NS	0.00023 J	0.027 (IDW,RDW)	0.055 (IDW,RDW)	0.054 (IDW,RDW)
Manganese	NS	1.2 J (RDW)	0.46	NS	NS
Nickel	NS	0.0042	0.021	NS	NS
Vanadium	NS	0.0003 J	0.0002 J	NS	NS
Zinc	NS	0.029	0.017	NS	NS
Inorganic-Dissolved					
Arsenic	0.0013 J	0.0029	NS	NS	NS
Barium	0.037	0.017	NS	NS	NS
Cadmium	ND(0.0002)	ND(0.0002)	NS	NS	NS
Chromium Total	ND(0.0006)	ND(0.0006)	NS	NS	NS
Cobalt	0.0011	0.0017	NS	NS	NS
Lead	0.019 (IDW,RDW)	ND(0.0004)	NS	NS	NS
Manganese	0.72 J	1.1 J (RDW)	NS	NS	NS
Nickel	0.014	0.0035	NS	NS	NS
Vanadium	ND(0.0008)	ND(0.0008)	NS	NS	NS
Zinc	0.013	0.01	NS	NS	NS

RFI-81-13	9/24/2001	3/27/2003
VOC		
1,1,1-Trichloroethane	0.00063 J	NS
1,1-Dichloroethane	0.0016	NS
1,1-Dichloroethene	ND(0.001)	NS
cis-1,2-Dichloroethene	ND(0.001)	NS
Tetrachloroethene	ND(0.001)	NS
Trichloroethene	0.0029	NS
Trifluorotrichloroethane (Freon 113)	ND(0.001)	NS
Vinyl chloride	ND(0.001)	NS
Inorganic		
Arsenic	NS	0.001 J
Barium	NS	0.5
Cadmium	NS	ND(0.0002)
Chromium Total	NS	0.00086
Cobalt	NS	0.00018 J
Lead	NS	0.00045
Manganese	NS	0.18
Nickel	NS	0.0057
Vanadium	NS	ND(0.0008)
Zinc	NS	0.016
Inorganic-Dissolved		
Arsenic	0.0023 J	NS
Barium	0.5 J	NS
Cadmium	ND(0.0002)	NS
Chromium Total	ND(0.0006)	NS
Cobalt	0.00028	NS
Lead	ND(0.0004)	NS
Manganese	0.16 J	NS
Nickel	0.0044	NS
Vanadium	ND(0.0008)	NS
Zinc	0.014	NS

RFI-81-39R	9/17/2003	10/11/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.00069 J	0.0007 J
1,1-Dichloroethene	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Tetrachloroethene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.03)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-81-03	9/28/2001	3/27/2003	2/28/2005
VOC			
1,1,1-Trichloroethane	ND(0.001)	NS	ND(0.001)
1,1-Dichloroethane	ND(0.001)	NS	ND(0.001)
1,1-Dichloroethene	ND(0.001)	NS	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	NS	ND(0.001)
Tetrachloroethene	ND(0.001)	NS	ND(0.001)
Trichloroethene	ND(0.001)	NS	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	NS	ND(0.03)
Vinyl chloride	ND(0.001)	NS	ND(0.001)
Inorganic			
Arsenic	NS	0.00091 J	NS
Barium	NS	0.086	NS
Cadmium	NS	0.000081 J	NS
Chromium Total	NS	0.0019	NS
Cobalt	NS	0.00033	NS
Lead	NS	0.00082	NS
Manganese	NS	0.045	NS
Nickel	NS	0.0076	NS
Vanadium	NS	0.00054 J	NS
Zinc	NS	0.013	NS
Inorganic-Dissolved			
Arsenic	ND(0.001)	NS	NS
Barium	0.059	NS	NS
Cadmium	ND(0.0002)	NS	NS
Chromium Total	ND(0.0006)	NS	NS
Cobalt	0.00073	NS	NS
Lead	ND(0.0004)	NS	NS
Manganese	0.52	NS	NS
Nickel	0.0045	NS	NS
Vanadium	ND(0.0008)	NS	NS
Zinc	0.0088	NS	NS

70-160	9/26/2001	6/17/2002	3/28/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	NS /NS
1,1-Dichloroethane	ND(0.001)	ND(0.001)	NS /NS
1,1-Dichloroethene	ND(0.001)	ND(0.001)	NS /NS
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	NS /NS
Tetrachloroethene	ND(0.001)	ND(0.001 J)	NS /NS
Trichloroethene	ND(0.001)	ND(0.001)	NS /NS
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	NS /NS
Vinyl chloride	ND(0.001)	ND(0.001)	NS /NS
Inorganic			
Arsenic	NS	0.02 (IDW,RDW)	0.024 (IDW,RDW) /0.025 (IDW,RDW)
Barium	NS	0.28	0.29 /0.29
Cadmium	NS	ND(0.0002)	ND(0.0002) /ND(0.0002)
Chromium Total	NS	ND(0.0006)	0.0014 /0.0014
Cobalt	NS	0.00034	0.00096 /0.00094
Lead	NS	0.000083 J	0.00042 /0.00042
Manganese	NS	0.11 J	0.14 /0.14
Nickel	NS	0.0023	0.0096 /0.0097
Vanadium	NS	ND(0.0008)	0.0012 /0.0012
Zinc	NS	0.01	0.015 /0.016
Inorganic-Dissolved			
Arsenic	0.035 (IDW,RDW)	0.022 (IDW,RDW)	NS /NS
Barium	0.31	0.27	NS /NS
Cadmium	ND(0.0002)	ND(0.0002)	NS /NS
Chromium Total	ND(0.0006)	0.00072	NS /NS
Cobalt	0.00034	0.00031	NS /NS
Lead	ND(0.0004)	ND(0.0004)	NS /NS
Manganese	0.11	0.11	NS /NS
Nickel	0.0032	0.0021	NS /NS
Vanadium	ND(0.0008)	ND(0.0008)	NS /NS
Zinc	0.026	0.011	NS /NS

RFI-81-51	4/4/2005	10/29/2007
VOC		
1,1,1-Trichloroethane	ND(0.001) /ND(0.001)	0.0008 J
1,1-Dichloroethane	0.004 /0.004	0.004
1,1-Dichloroethene	0.0006 J /0.0005 J	0.0004 J
cis-1,2-Dichloroethene	0.162 (IDW,RDW) /0.159 (IDW,RDW)	0.161 (IDW,RDW)
Tetrachloroethene	ND(0.001) /ND(0.001)	0.002
Trichloroethene	0.0008 J /0.0008 J	0.025 (IDW,RDW)
Trifluorotrichloroethane (Freon 113)	ND(0.03) /ND(0.03)	ND(0.03)
Vinyl chloride	0.064 (IDW,RDW) /0.065 (IDW,RDW)	0.054 (IDW,RDW)

RFI-81-33	2/19/2002	6/20/2002	4/3/2003	10/6/2004
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.03)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Inorganic				
Arsenic	NS	0.0056	0.0049	NS
Barium	NS	0.12	0.11	0.121
Cadmium	NS	ND(0.0002)	0.000072 J	ND(0.0005)
Chromium Total	NS	0.00046 J	0.00026 J	NS
Cobalt	NS	0.0013	0.0014	NS
Lead	NS	0.00025 J	0.00015 J	ND(0.003)
Manganese	NS	0.88 (RDW)	0.79 J	NS
Nickel	NS	0.0044	0.005	ND(0.005)
Vanadium	NS	ND(0.0008)	0.000098 J	NS
Zinc	NS	ND(0.015 J)	0.033	ND(0.005)
Inorganic-Dissolved				
Arsenic	NS	0.0048	NS	NS
Barium	NS	0.1	NS	NS
Cadmium	NS	ND(0.0002)	NS	NS
Chromium Total	NS	0.0033	NS	NS
Cobalt	NS	0.0012	NS	NS
Lead	NS	ND(0.0004)	NS	NS
Manganese	NS	0.77	NS	NS
Nickel	NS	0.0032	NS	NS
Vanadium	NS	0.00093	NS	NS
Zinc	NS	0.0083 J	NS	NS

RFI-81-08	9/24/2001	6/17/2002	4/1/2003	10/7/2004	2/24/2005
VOC					
1,1,1-Trichloroethane	0.0012	0.0011	ND(0.001)	0.0004 J	ND(0.001)
1,1-Dichloroethane	0.0031	0.0011	0.0047	0.002	0.002
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0036	0.0014	0.05	0.025	0.024
Tetrachloroethene	ND(0.001 J)	ND(0.001 J)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.011 (IDW,RDW)	0.0077 (IDW,RDW)	0.0026	0.002	0.002
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.03)	ND(0.03)
Vinyl chloride	0.0067 (IDW,RDW)	0.0006 J	0.029 (IDW,RDW)	0.008 (IDW,RDW)	0.012 J (IDW,RDW)
Inorganic					
Arsenic	NS	0.0011 J	0.0073	NS	NS
Barium	NS	0.13	1	NS	NS
Cadmium	NS	ND(0.0002)	ND(0.0002)	NS	NS
Chromium Total	NS	0.00054 J	0.0013	NS	NS
Cobalt	NS	0.00058	0.0033	NS	NS
Lead	NS	0.00067	0.00039 J	ND(0.003)	NS
Manganese	NS	1.4 J (RDW)	3.3 J (IDW,RDW)	1.36 (RDW)	NS
Nickel	NS	0.015	0.031	NS	NS
Vanadium	NS	ND(0.0008)	ND(0.0008)	NS	NS
Zinc	NS	0.012	0.027	NS	NS
Inorganic-Dissolved					
Arsenic	0.0078 J	0.001	NS	NS	NS
Barium	0.43 J	0.14	NS	NS	NS
Cadmium	ND(0.0002)	ND(0.0002)	NS	NS	NS
Chromium Total	0.00086	0.002	NS	NS	NS
Cobalt	0.0023	0.0006	NS	NS	NS
Lead	ND(0.0004)	ND(0.0004)	NS	NS	NS
Manganese	1.9 J (RDW)	1.6 (RDW)	NS	NS	NS
Nickel	0.016	0.015	NS	NS	NS
Vanadium	ND(0.0008)	ND(0.0008)	NS	NS	NS
Zinc	0.021	0.014	NS	NS	NS

RFI-81-11	9/24/2001	6/19/2002	4/1/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.0043	0.0036	0.0013
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.00055 J	ND(0.001)	ND(0.001)
Tetrachloroethene	ND(0.001 J)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0016	0.0012	ND(0.001)
Inorganic			
Arsenic	NS	0.011 (IDW,RDW)	0.0064
Barium	NS	0.22	1
Cadmium	NS	ND(0.0002)	ND(0.0002)
Chromium Total	NS	0.00097	0.0019
Cobalt	NS	0.00026	0.0012
Lead	NS	0.047 (IDW,RDW)	0.021 (IDW,RDW)
Manganese	NS	0.45	2 J (RDW)
Nickel	NS	0.0031	0.025
Vanadium	NS	0.0005 J	ND(0.0008)
Zinc	NS	0.015 J	0.025
Inorganic-Dissolved			
Arsenic	0.013 J (IDW,RDW)	0.0097	NS
Barium	0.37 J	0.19	NS
Cadmium	ND(0.0002)	ND(0.0002)	NS
Chromium Total	ND(0.0006)	0.003	NS
Cobalt	0.00029	0.00022	NS
Lead	ND(0.0004)	ND(0.0004)	NS
Manganese	0.46 J	0.37 J	NS
Nickel	0.0043	0.0034	NS
Vanadium	ND(0.0008)	0.00085	NS
Zinc	0.012	0.013	NS

86-100	9/24/2001	6/18/2002	4/1/2003	10/7/2004
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0052	0.047	0.0027	0.008
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.0038	0.032 (IDW,RDW)	0.0018	0.007 (IDW,RDW)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.03)
Vinyl chloride	0.0034 (IDW,RDW)	0.047 J (IDW,RDW)	ND(0.001)	0.009 (IDW,RDW)
Inorganic				
Arsenic	NS	0.0029	0.003 J	NS
Barium	NS	1.2	0.66	1.44
Cadmium	NS	0.00035	0.0098 (IDW,RDW)	0.0008
Chromium Total	NS	0.0006 J	0.0034	NS
Cobalt	NS	0.0019	0.072 (RDW)	NS
Lead	NS	0.0034	0.033 (IDW,RDW)	0.006 (IDW,RDW)
Manganese	NS	1.2 (RDW)	1.7 J (RDW)	NS
Nickel	NS	0.0098	0.24 (IDW,RDW)	0.006
Vanadium	NS	ND(0.0008)	ND(0.0008)	NS
Zinc	NS	0.068 J	6 (IDW,RDW)	0.042
Inorganic-Dissolved				
Arsenic	0.0058	NS	NS	NS
Barium	2.5 (IDW,RDW)	NS	NS	NS
Cadmium	0.00084	NS	NS	NS
Chromium Total	ND(0.0006)	NS	NS	NS
Cobalt	0.0049	NS	NS	NS
Lead	0.0013	NS	NS	NS
Manganese	1.1 (RDW)	NS	NS	NS
Nickel	0.014	NS	NS	NS
Vanadium	ND(0.0008)	NS	NS	NS
Zinc	0.14	NS	NS	NS

RFI-81-07	7/27/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
cis-1,2-Dichloroethene	0.0019 J
Tetrachloroethene	ND(0.001 J)
Trichloroethene	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)
Vinyl chloride	0.0017 J
Inorganic-Dissolved	
Arsenic	0.0035 J
Barium	0.83
Cadmium	0.0013
Chromium Total	ND(0.0018)
Cobalt	0.0042
Lead	0.0067 (IDW,RDW)
Manganese	2.6 (IDW,RDW)
Nickel	0.091
Vanadium	0.016 (RDW)
Zinc	0.034

RFI-81-20	9/19/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-81-05	9/19/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-81-24	9/7/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
cis-1,2-Dichloroethene	0.0028
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)
Vinyl chloride	0.0015
Inorganic-Dissolved	
Arsenic	0.02 (IDW,RDW)
Barium	0.18
Cadmium	0.00025
Chromium Total	0.0013
Cobalt	0.00033
Lead	ND(0.0004)
Manganese	0.029
Nickel	0.0037
Vanadium	0.012 (RDW)
Zinc	0.01 J

RFI-81-23	9/7/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
1,1-Dichloroethane	ND(0.001)
1,1-Dichloroethene	ND(0.001)
cis-1,2-Dichloroethene	0.00086 J
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)
Vinyl chloride	0.0017
Inorganic-Dissolved	
Arsenic	0.039 (IDW,RDW)
Barium	0.48
Cadmium	ND(0.0002)
Chromium Total	0.00097
Cobalt	0.0012
Lead	ND(0.0004)
Manganese	0.14
Nickel	0.005
Vanadium	0.0082 (RDW)
Zinc	0.024 J

RFI-81-02	10/13/2001	6/20/2002	4/2/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.00054 J	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0029 J	0.0011	ND(0.001)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.0019	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.012 (IDW,RDW)	0.0072 (IDW,RDW)	0.01 (IDW,RDW)
Inorganic			
Arsenic	NS	0.08 (IDW,RDW)	0.091 (IDW,RDW)
Barium	NS	1	0.66
Cadmium	NS	ND(0.0002)	ND(0.0002)
Chromium Total	NS	0.0015	0.0023
Cobalt	NS	0.0038	0.0031
Lead	NS	0.0014	0.01 (IDW,RDW)
Manganese	NS	0.066	0.1 J
Nickel	NS	0.017	0.024
Vanadium	NS	ND(0.0008)	0.00075 J
Zinc	NS	ND(0.029 J)	0.026
Inorganic-Dissolved			
Arsenic	0.083 (IDW,RDW)	0.073 (IDW,RDW)	NS
Barium	0.54	0.87	NS
Cadmium	ND(0.0002)	ND(0.0002)	NS
Chromium Total	0.0015	0.0055	NS
Cobalt	0.0019	0.0032	NS
Lead	0.00058	0.00043	NS
Manganese	0.058	0.058	NS
Nickel	0.008	0.015	NS
Vanadium	ND(0.0008)	ND(0.0008)	NS
Zinc	0.026	0.02 J	NS

RFI-81-35	2/19/2002	6/18/2002	4/1/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	NS
1,1-Dichloroethane	ND(0.001)	ND(0.001)	NS
1,1-Dichloroethene	ND(0.001)	ND(0.001)	NS
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	NS
Tetrachloroethene	ND(0.001)	ND(0.001)	NS
Trichloroethene	ND(0.001)	ND(0.001)	NS
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	NS
Vinyl chloride	ND(0.001)	ND(0.001)	NS
Inorganic			
Arsenic	NS	0.0096	0.0033
Barium	NS	0.063	0.1
Cadmium	NS	0.00013 J	ND(0.0002)
Chromium Total	NS	0.0037	0.0014
Cobalt	NS	0.00078	0.00031
Lead	NS	0.0061 (IDW,RDW)	0.0005
Manganese	NS	0.21	0.24 J
Nickel	NS	0.0045	0.006
Vanadium	NS	0.012 (RDW)	0.0028
Zinc	NS	0.02 J	0.0085

RFI-81-09	9/24/2001	2/22/2002	6/18/2002	4/1/2003
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	0.0059 (IDW,RDW)	0.011 J (IDW,RDW)	0.01 J (IDW,RDW)	0.0028
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Inorganic-Dissolved				
Arsenic	0.0026 J	NS	NS	NS
Barium	0.24 J	NS	NS	NS
Cadmium	0.00021 J	NS	NS	NS
Chromium Total	ND(0.0006)	NS	NS	NS
Cobalt	0.002	NS	NS	NS
Lead	ND(0.0004)	NS	NS	NS
Manganese	0.7 J	NS	NS	NS
Nickel	0.006	NS	NS	NS
Vanadium	ND(0.0008)	NS	NS	NS
Zinc	0.0081	NS	NS	NS

LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- DEMOLISHED BUILDING
- BUILDING CURRENTLY IDLED
- APPROXIMATE AOI BOUNDARY
- AOI 81-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL)
- 729.04 — GROUNDWATER ELEVATION (IN FEET)
- [729.02] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005 (REVIEWED IN 2006 AT MONITORING PROGRAM LOCATIONS)
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:
  IDW – INDUSTRIAL DRINKING WATER

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)—CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS—NOT ANALYZED FOR THIS CONSTITUENT.
9. J—ESTIMATED CONCENTRATION.
10. RDW—EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.
11. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.

0 150' 300'
GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - FACTORY 81 (BUILDINGS 69, 70, 71, 72, 73, AND 74) AREA

ARCADIS

FIGURE
7

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF* *IHIST_SB, DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
G:\CADACT\B00644100000110500\DWG\CA750-07I64410C06.DWG LAYOUT: 8 SAVED: 3/31/2008 11:05 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:29 AM BY: STOWELL, GARY
XREFS:
IMAGES:
64410X01
64410X02
64410X03
64410X01
64410X03
64410X06
64410X06
64410X29
64410X00

RFI-81-12R	12/7/2005	6/20/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001
1,2-Dichloroethene	ND(0.001)	ND(0.001
Benzene	ND(0.001)	ND(0.001
Chloroethane	ND(0.001)	ND(0.001
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001
Methylene chloride	ND(0.005)	ND(0.005
Tetrachloroethene	ND(0.001)	ND(0.001
Trichloroethene	ND(0.001)	ND(0.001
Vinyl chloride	ND(0.001)	ND(0.001

RFI-86-14	6/17/2002
VOC	
1,1-Dichloroethene	ND(0.001
1,2-Dichloroethene	ND(0.001
Benzene	ND(0.001
Chloroethane	ND(0.001
cis-1,2-Dichloroethene	ND(0.001
Methylene chloride	ND(0.005
Tetrachloroethene	ND(0.001 J)
Trichloroethene	ND(0.001
Vinyl chloride	ND(0.001

RFI-86-16R	9/16/2003	10/6/2004	6/27/2007	10/29/2007
VOC				
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001 J)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-86-06S	10/2/2001	6/17/2002	4/3/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	0.0032
cis-1,2-Dichloroethene	0.0026	0.00058 J	0.001
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.018 (DW,RDW)	0.0098 (DW,RDW)	0.019 (DW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-86-15	7/19/2002	6/20/2002	4/3/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-86-01	9/20/2001
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-86-01R	6/25/2002	4/2/2003	10/7/2004
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001 J)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-02-08R	6/25/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-02-08	9/19/2007
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

B7-FP5	9/28/2001	6/19/2002	4/3/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.054	0.051 J	0.0251 J
Methylene chloride	ND(0.005)	ND(0.005 J)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.012 (DW,RDW)	0.011 J (DW,RDW)	0.0089 (DW,RDW)
Vinyl chloride	0.0063 (DW,RDW)	0.0014 J	0.002 J

RFI-86-07	5/24/2001
VOC	
1,1-Dichloroethene	ND(0.001) /ND(0.001)
1,2-Dichloroethene	ND(0.001) /ND(0.001)
Benzene	0.0014 J /0.00015 J
Chloroethane	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J) /ND(0.001 J)
Methylene chloride	ND(0.005) /ND(0.005)
Tetrachloroethene	ND(0.001) /ND(0.001)
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)

B7-FP4	10/6/2004	11/2/2007
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001 J)	ND(0.001)
cis-1,2-Dichloroethene	0.001	0.002
Methylene chloride	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	0.0001 J
Trichloroethene	0.023 (DW,RDW)	0.003
Vinyl chloride	ND(0.001)	ND(0.001)

07-02	9/20/2001	6/20/2002	4/2/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.017	0.013	0.0064
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.0033 (DW,RDW)	0.0024 (DW,RDW)	0.002 J

RFI-86-03	9/20/2001	6/17/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0027	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)
Tetrachloroethene	ND(0.001)	ND(0.001 J)
Trichloroethene	0.0079 (DW,RDW)	0.0053 (DW,RDW)
Vinyl chloride	0.0013	ND(0.001)

RFI-86-04	9/27/2001	6/17/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005 J)
Tetrachloroethene	ND(0.001)	ND(0.001 J)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-86-08R	2/21/2002	6/20/2002	12/18/2002	4/3/2003
VOC				
1,1-Dichloroethene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	0.0022 /0.0018	0.0022	0.0015	0.0016
Benzene	0.0079 (DW,RDW) /0.0064 (DW,RDW)	0.0057 (DW,RDW)	0.006 (DW,RDW)	0.0046
Chloroethane	8.3 D (DW,RDW) /9.1 D (DW,RDW)	14 D (DW,RDW)	11 D (DW,RDW)	5.2 D (DW,RDW)
cis-1,2-Dichloroethene	0.0058 /0.0044	0.0055	0.0044	0.0037
Methylene chloride	0.0031 J /0.0025 J	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	0.0083 (DW,RDW) /0.0066 (DW,RDW)	0.006 (DW,RDW)	0.0062 (DW,RDW)	0.0097 (DW,RDW)
Vinyl chloride	0.0063 (DW,RDW) /0.0051 (DW,RDW)	0.049 (DW,RDW)	0.0077 (DW,RDW)	0.011 (DW,RDW)

RFI-86-08	7/20/2001
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	0.0054 (DW,RDW)
Benzene	0.0051 (DW,RDW)
Chloroethane	14 D (DW,RDW)
cis-1,2-Dichloroethene	0.013
Methylene chloride	0.0093 (DW,RDW)
Tetrachloroethene	ND(0.001)
Trichloroethene	0.046 (DW,RDW)
Vinyl chloride	0.0071 (DW,RDW)

RFI-86-05	9/27/2001	6/13/2002	4/2/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	0.0006 J	0.00065 J	ND(0.001)
Trichloroethene	0.0061 (DW,RDW)	0.0035	0.0038 (DW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-81-10	6/22/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	0.00067 J
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-21-03	6/21/2001
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	0.0027 J
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001 J)
Trichloroethene	0.0031 (DW,RDW)
Vinyl chloride	ND(0.001)

RFI-21-01	6/25/2001
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	0.004
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	0.012 (DW,RDW)
Vinyl chloride	0.0032 (DW,RDW)

RFI-21-04	11/19/2001	6/13/2002	10/7/2004
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001 J)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-21-02	6/27/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-85-07	11/19/2001	6/12/2002	4/3/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.0011	0.0012	ND(0.001)
Chloroethane	ND(0.001) J	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.00064 J	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	0.022 (DW,RDW)	0.0052 (DW,RDW)	0.014 (DW,RDW)
Trichloroethene	0.0077 (DW,RDW)	0.0069 (DW,RDW)	0.0031
Vinyl chloride	0.00067 J	ND(0.001)	ND(0.001)

86-3	9/26/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-85-08	12/18/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	0.0007 J
Vinyl chloride	ND(0.001)

RFI-85-02	6/22/2001
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	0.024 (DW,RDW)
Vinyl chloride	ND(0.001)

RFI-85-03	9/28/2005
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	0.0063 J
Vinyl chloride	ND(0.001)

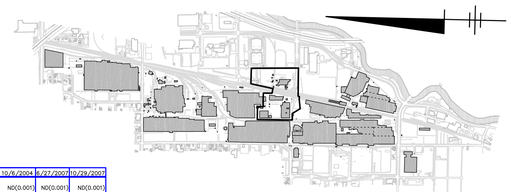
RFI-85-02R	12/13/2001	6/14/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.00065 J	0.0048
Methylene chloride	ND(0.005)	ND(0.005 J)
Tetrachloroethene	ND(0.001)	ND(0.001)
Trichloroethene	0.036 (DW,RDW)	ND(0.001 J)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-85-04R	2/28/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	0.0048
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-85-06	9/24/2001	6/12/2002	4/3/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0017	0.0049	0.0017
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	0.0018	0.0014	0.0013
Trichloroethene	0.045 (DW,RDW)	0.093 (DW,RDW)	0.053 (DW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-85-05	10/18/2002
VOC	
1,1-Dichloroethene	ND(0.001)
1,2-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
Chloroethane	ND(0.001)
cis-1,2-Dichloroethene	0.0053 J
Methylene chloride	ND(0.005)
Tetrachloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

B7-FP2	9/24/2001	6/19/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
1,2-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Chloroethane	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.012	0.01
Methylene chloride	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001 J)
Trichloroethene	0.042 (DW,RDW)	0.014 (DW,RDW)
Vinyl chloride	0.0028 (DW,RDW)	0.0007 J



SITE LOCATION

LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- DEMOLISHED BUILDING
- BUILDING CURRENTLY IDLED
- APPROXIMATE AOI BOUNDARY
- AOI 81-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL)
- 720.07 — GROUNDWATER ELEVATION (IN FEET)
- [720.10] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- IDW — INDUSTRIAL DRINKING WATER LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)–CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS–NOT ANALYZED FOR THIS CONSTITUENT.
9. J–ESTIMATED CONCENTRATION.
10. RDW–EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.
11. D–CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
12. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.

0 150' 300'
GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - BUILDINGS 07, 21, 85 AND 86 AREA

ARCADIS

FIGURE
8

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF*, *|HIST_SB, DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
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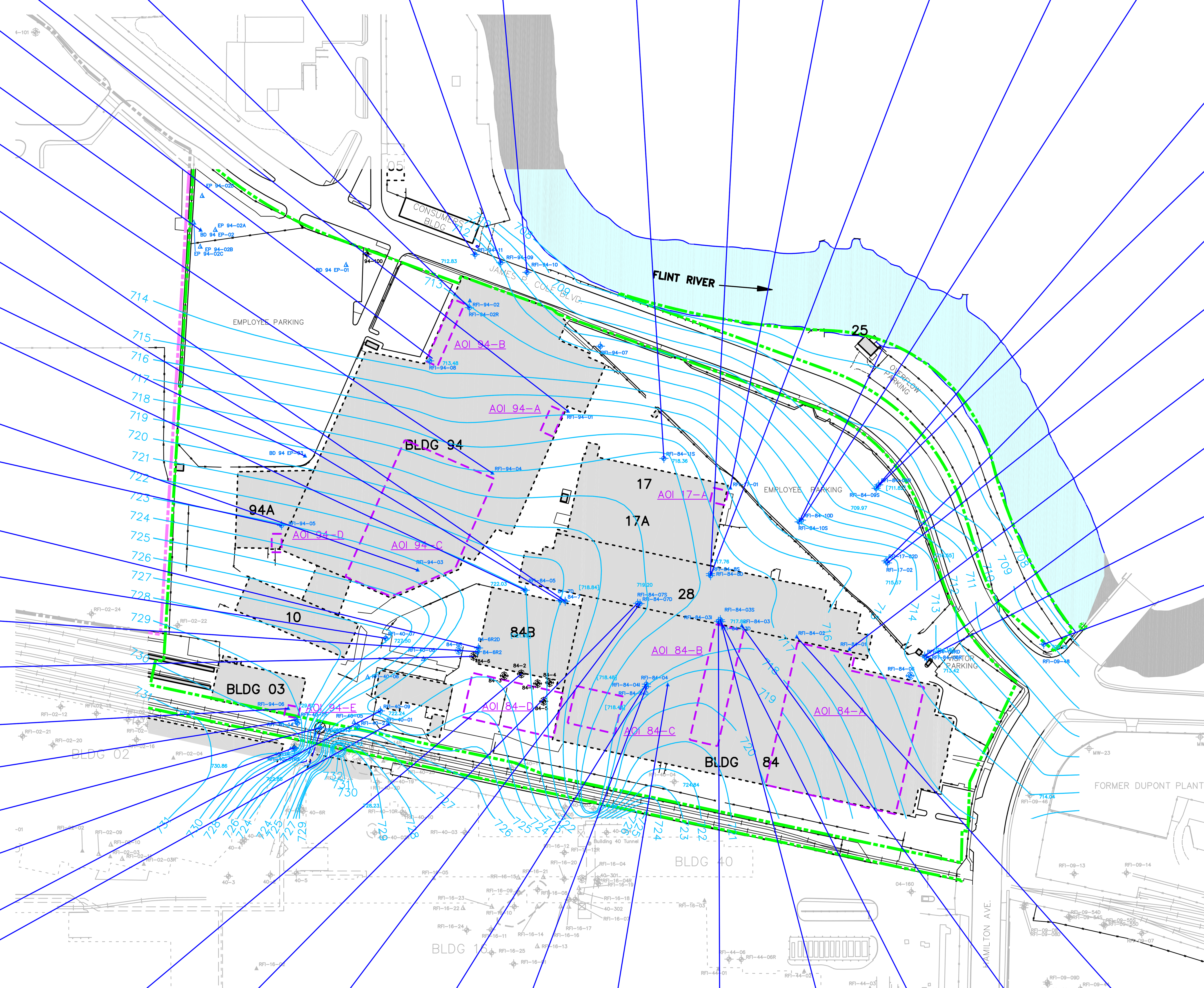


RFI-94-02R	4/4/2003	9/18/2003	10/6/2004
VOC			
1,1-Dichloroethene	0.0075 (IDW,RDW)	0.0053	0.002 J
Benzene	ND(0.001)	ND(0.001)	0.0005 J
cis-1,2-Dichloroethene	0.0052	0.0045	0.023
Trichloroethene	0.51 D (GSI,IDW,RDW)	0.56 D (GSI,IDW,RDW)	0.95 (GSI,IDW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-94-11	4/7/2005	12/8/2005	6/28/2007	11/2/2007
VOC				
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-94-09	12/15/2003	2/25/2005
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-94-10	12/15/2003	10/8/2004
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	0.0007 J
Trichloroethene	0.0025	0.003
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-84-11S	7/28/2005	11/1/2006
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	0.0009 J
Trichloroethene	0.0008 J	0.002
Vinyl chloride	ND(0.001)	ND(0.001)

RFI-84-08S	7/22/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-17-01	5/22/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-08D	7/6/2005
VOC	
1,1-Dichloroethene	0.0008 J /0.0009 J
Benzene	0.002 /0.002
cis-1,2-Dichloroethene	0.078 (IDW,RDW) /0.084 (IDW,RDW)
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	0.114 (IDW,RDW) /0.124 (IDW,RDW)

RFI-84-10S	7/22/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-10d	7/21/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	0.019
Trichloroethene	ND(0.001)
Vinyl chloride	0.004 (IDW,RDW)

RFI-94-01	5/22/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-94-08	12/16/2003
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

BD 94 EP-02	5/31/2001
VOC	
1,1-Dichloroethene	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	ND(0.001) /ND(0.001)
Trichloroethene	ND(0.001 J) /ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)

RFI-94-04	5/22/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.00045 J
cis-1,2-Dichloroethene	ND(0.001 J)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

84-07S	4/5/2005	6/8/2005
VOC		
1,1-Dichloroethene	0.007	0.008 (IDW,RDW)
Benzene	0.006 (IDW,RDW)	0.003 J
cis-1,2-Dichloroethene	0.293 (IDW,RDW)	0.322 (IDW,RDW)
Trichloroethene	0.191 (IDW,RDW)	0.258 (IDW,RDW)
Vinyl chloride	0.061 (IDW,RDW)	0.105 (IDW,RDW)

84-07D	7/28/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.051 (IDW,RDW)
cis-1,2-Dichloroethene	0.027
Trichloroethene	0.0007 J
Vinyl chloride	0.008 (IDW,RDW)

BD 94 EP-03	5/31/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-05	10/2/2001	12/17/2002	3/24/2003	2/25/2005	6/8/2005
VOC					
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	0.0003 J	0.0003 J
Trichloroethene	0.0035	0.0039	0.0024	0.009 (IDW,RDW)	0.013 (IDW,RDW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-94-03	5/21/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-94-05	12/17/2002
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	0.00074 J
Vinyl chloride	ND(0.001)

84-6R2D	7/29/2005
VOC	
1,1-Dichloroethene	ND(0.01)
Benzene	0.35 (IDW,RDW)
cis-1,2-Dichloroethene	ND(0.01)
Trichloroethene	ND(0.01)
Vinyl chloride	ND(0.01)

RFI-40-07	2/25/2002	6/24/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)

84-6R2	10/5/2004	6/9/2005
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.005)
Benzene	0.259 (IDW,RDW)	0.402 (IDW,RDW)
cis-1,2-Dichloroethene	0.002	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.005)
Vinyl chloride	0.004 (IDW,RDW)	ND(0.005)

84-6	10/17/2001	6/26/2002
VOC		
1,1-Dichloroethene	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	0.0021 (IDW,RDW)	0.0013

RFI-94-06	5/21/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.00028 J
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-40-15	4/22/2003
VOC	
1,1-Dichloroethene	ND(0.001 J)
Benzene	5.5 JD (IDW,RDW)
cis-1,2-Dichloroethene	ND(0.001 J)
Trichloroethene	ND(0.001 J)
Vinyl chloride	ND(0.001 J)

RFI-40-13	9/16/2003
VOC	
1,1-Dichloroethene	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	ND(0.001) /ND(0.001)
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)

40-1R	4/3/2003
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	0.0017
Vinyl chloride	ND(0.001)

RFI-40-09	2/26/2002	6/24/2002	3/26/2003
VOC			
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.68 D (IDW,RDW)	0.73 D (IDW,RDW)	0.85 D (IDW,RDW)
cis-1,2-Dichloroethene	ND(0.001 J)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)

RFI-40-01	5/29/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.00013 J
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

84-2	10/17/2001
VOC	
1,1-Dichloroethene	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J) /ND(0.001 J)
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)

RFI-84-07S	7/1/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.133 (IDW,RDW)
cis-1,2-Dichloroethene	0.002
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-07d	7/28/2005
VOC	
1,1-Dichloroethene	ND(0.01)
Benzene	1.44 (IDW,RDW)
cis-1,2-Dichloroethene	ND(0.01)
Trichloroethene	ND(0.01)
Vinyl chloride	ND(0.01)

RFI-84-04I	7/28/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.0005 J
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-04D	7/28/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-04	5/23/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-03I	7/29/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	0.002
Trichloroethene	ND(0.001)
Vinyl chloride	0.005 (IDW,RDW)

RFI-84-03S	7/29/2005
VOC	
1,1-Dichloroethene	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	0.001 /0.002
Trichloroethene	0.001 J /0.001 J
Vinyl chloride	ND(0.001) /ND(0.001)

RFI-84-03D	7/29/2005
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	0.0005 J
Trichloroethene	ND(0.001)
Vinyl chloride	0.002

RFI-84-03	5/22/2001
VOC	
1,1-Dichloroethene	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
cis-1,2-Dichloroethene	0.0022 J /0.0019
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	0.001 J /0.0005 J

RFI-84-02	5/24/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001 J)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)

RFI-84-09D	7/22/2005	12/8/2005	11/1/2006	4/24/2007	6/28/2007	10/26/2007
VOC						
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.004	0.004	0.004	0.003 /0.003	0.004	0.003
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	0.003 (IDW,RDW)	0.003 (IDW,RDW)	0.003 (IDW,RDW) /0.003 (IDW,RDW)	0.003 (IDW,RDW)	0.003 (IDW,RDW)

RFI-84-09S	7/22/2005	12/8/2005	11/1/2006	4/24/2007	6/28/2007	10/26/2007
VOC						
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	0.0003 J	0.0003 J	0.0005 J	0.0008 J
Trichloroethene	ND(0.001)	ND(0.001)	0.0008 J	0.0005 J	0.0004 J	0.0002 J
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-17-02D	7/29/2005	12/8/2005	11/1/2006	4/24/2007	6/27/2007	10/26/2007
VOC						
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.003	0.003	0.004	0.001	0.002	0.004
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	0.003 (IDW,RDW)	0.003 (IDW,RDW)	0.002	ND(0.001)	0.002	0.003 (IDW,RDW)

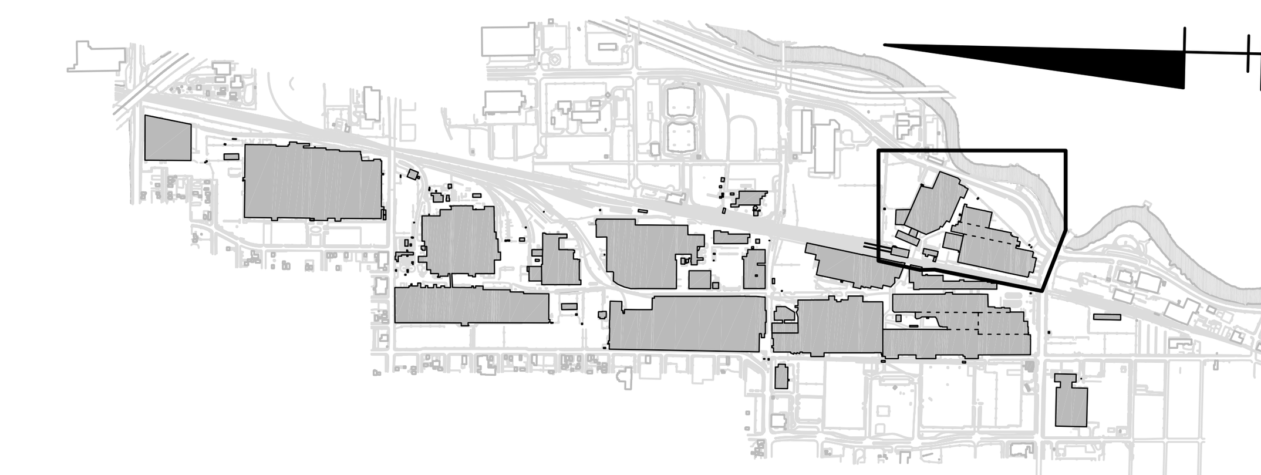
RFI-17-02	10/3/2001	6/9/2005	12/8/2005	11/1/2006	4/24/2007	6/26/2007	10/26/2007
VOC							
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	0.0009 J	ND(0.001)	ND(0.001 J)	ND(0.001)

RFI-84-01	5/23/2001
VOC	
1,1-Dichloroethene	ND(0.001)
Benzene	0.00012 J
cis-1,2-Dichloroethene	0.0074 J
Trichloroethene	0.00086 J
Vinyl chloride	0.00067 J

RFI-84-06RD	7/21/2005	12/8/2005	11/2/2006	4/24/2007	6/27/2007	10/26/2007
VOC						
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-84-06R	4/2/2003	7/22/2005	12/8/2005	11/1/2006	4/24/2007	6/26/2007	10/26/2007
VOC							
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.005	0.007 (IDW,RDW)	0.001
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001 J)	ND(0.001)

RFI-09-48	4/24/2003	10/6/2004	12/8/2005	11/1/2006	4/23/2007	6/27/2007	11/1/2007
VOC							
1,1-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) /ND(0.001)	ND(0.001)



SITE LOCATION

LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- DEMOLISHED BUILDING
- APPROXIMATE AOI BOUNDARY
- AOI 81-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL) (DASHED WHERE INFERED)
- 739.13 — GROUNDWATER ELEVATION (IN FEET)
- [742.02] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- FORMER RIVER GAUGE LOCATION
- CURRENT RIVER GAUGE LOCATION
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005 (REVIEWED IN 2006 AT MONITORING PROGRAM LOCATIONS)
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:
  - IDW – INDUSTRIAL DRINKING WATER
  - GSI – GROUNDWATER SURFACE WATER INTERFACE

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)–CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS–NOT ANALYZED FOR THIS CONSTITUENT.
9. J–ESTIMATED CONCENTRATION.
10. D–CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
11. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.
12. RDW – EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.

0 150' 300'
GRAPHIC SCALE

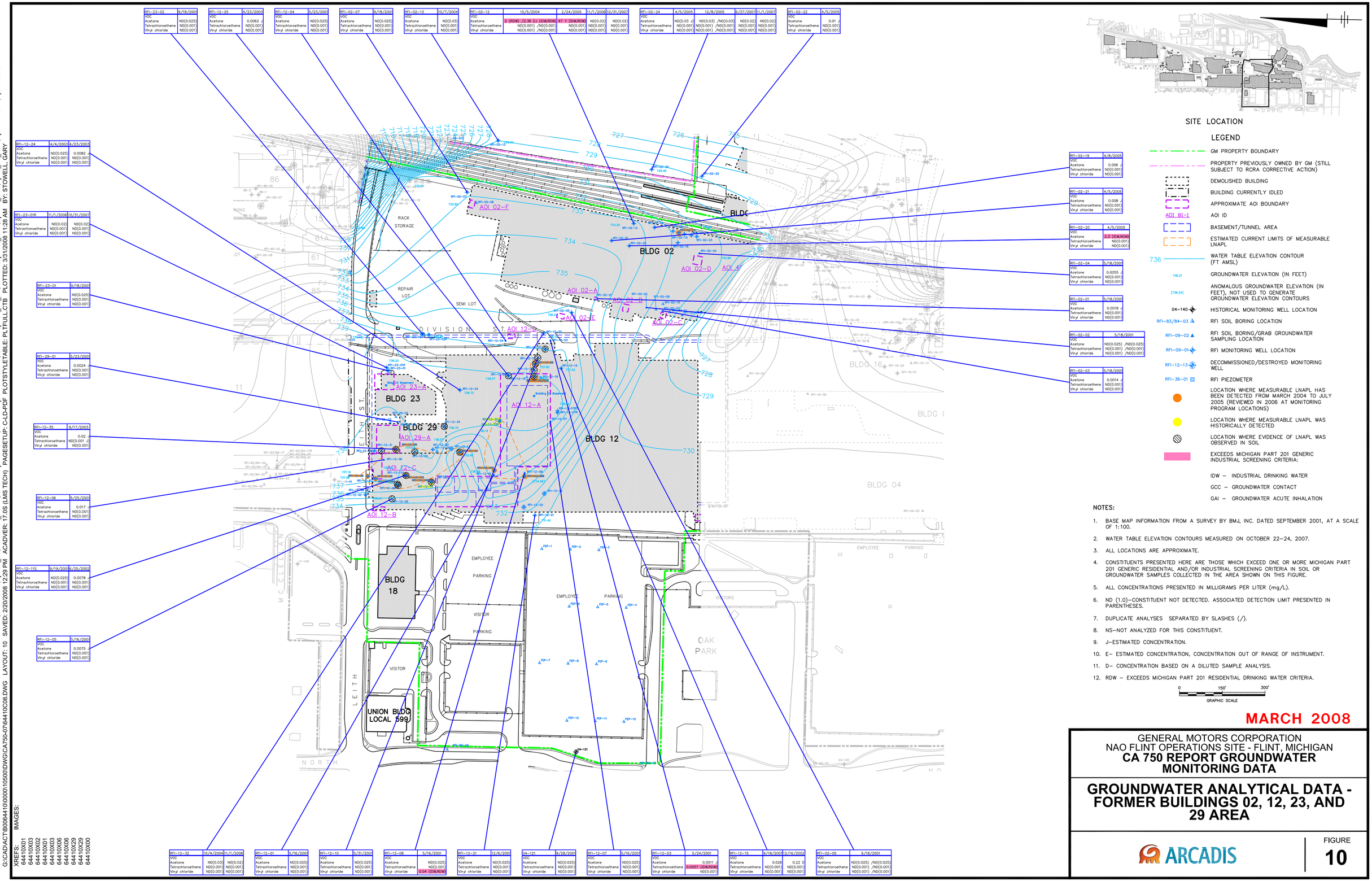
MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - FORMER BUILDINGS 03, 17, 28, 84, AND 94 AREA

ARCADIS

FIGURE 9



NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)–CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS–NOT ANALYZED FOR THIS CONSTITUENT.
9. J–ESTIMATED CONCENTRATION.
10. E– ESTIMATED CONCENTRATION, CONCENTRATION OUT OF RANGE OF INSTRUMENT.
11. D– CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
12. RDW – EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.

0 150' 300'
GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - FORMER BUILDINGS 02, 12, 23, AND 29 AREA

ARCADIS

FIGURE
10

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF* ; *HIST_SB, DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
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XREFS:
IMAGES:
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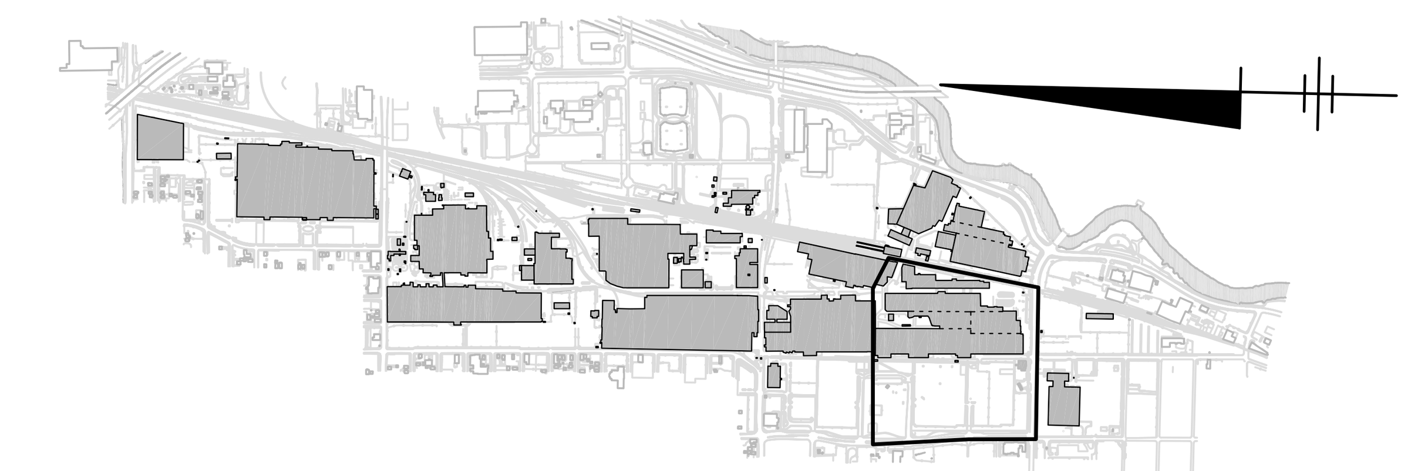
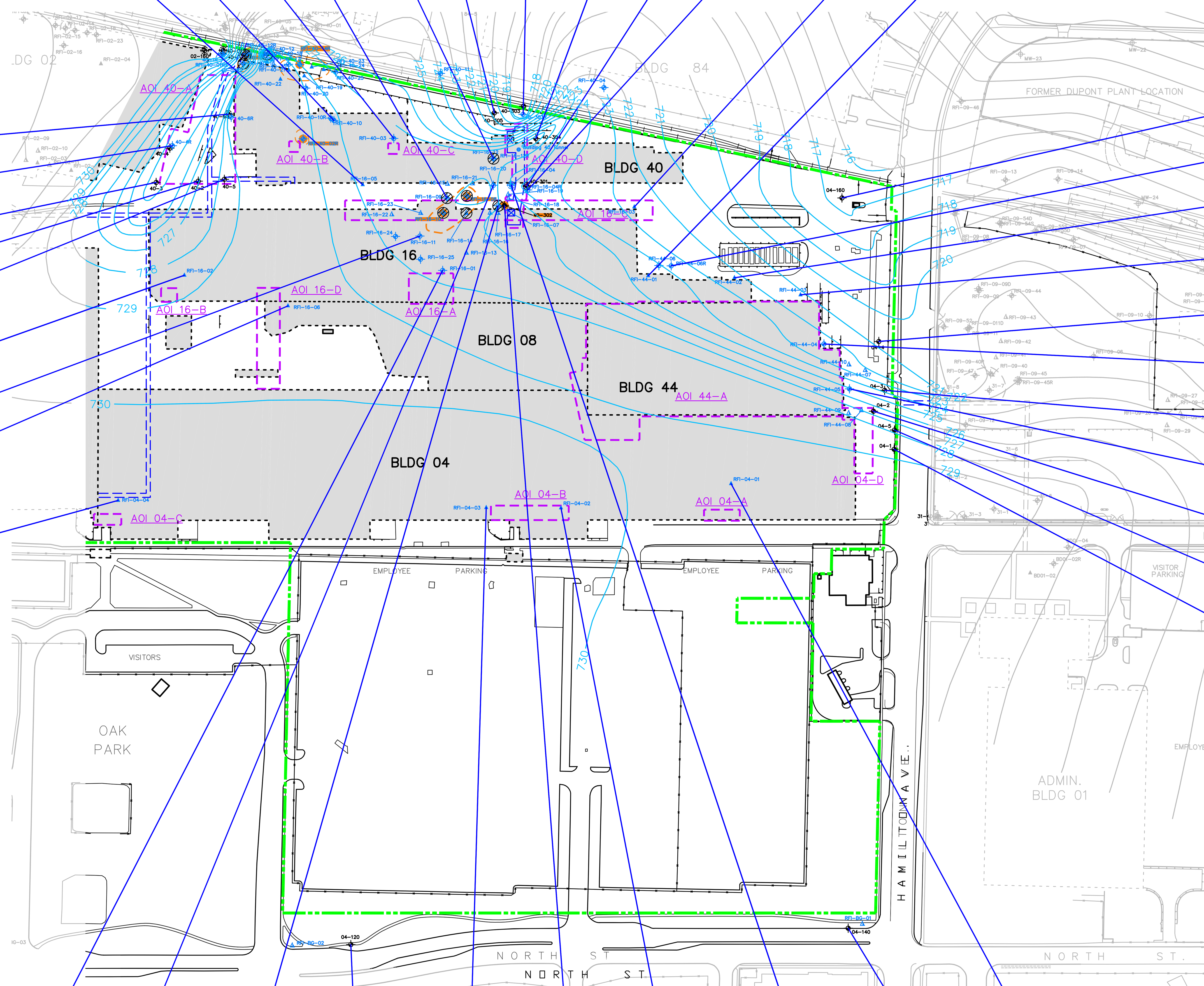


LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- DEMOLISHED BUILDING
- BUILDING CURRENTLY IDLED
- APPROXIMATE AOI BOUNDARY
- AOI 81-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL)
- 739.74 — GROUNDWATER ELEVATION (IN FEET)
- [739.78] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:
  - IDW – INDUSTRIAL DRINKING WATER
  - GCC – GROUNDWATER CONTACT
  - GAI – GROUNDWATER ACUTE INHALATION



Location	Date	PCB Total PCBs	PCB-Dissolved Total PCBs
RFI-16-05	5/17/2001	ND(0.0001)	ND(0.0001)
RFI-40-10	2/21/2002	ND(0.0001)	ND(0.0001)
RFI-40-03	2/25/2002	ND(0.0001)	ND(0.0001)
RFI-16-09	8/10/2001	ND(0.00011)	ND(0.00011)
RFI-16-12	2/28/2002	ND(0.0001)	ND(0.0001)
40-305	9/17/2001	0.00004 J	ND(0.00011)
40-303R	12/7/2001	ND(0.0001)	ND(0.0001)
40-303R	10/31/2007	ND(0.0001)	NS
40-304	9/14/2001	0.00015	ND(0.00028)
40-304	10/31/2007	ND(0.0001)	NS
40-301	9/17/2001	ND(0.00011)	ND(0.00011)
RFI-16-04R	10/31/2007	ND(0.0001) /ND(0.0001)	
RFI-16-03	5/17/2001	ND(0.0001)	ND(0.0001)
RFI-44-01	5/22/2001	0.000072 J	ND(0.00011)
40-6	9/18/2001	0.00018	ND(0.00011)
40-4R	11/21/2001	ND(0.0001)	ND(0.00011)
40-3	9/18/2001	ND(0.00011)	ND(0.00011)
40-2	9/20/2001	ND(0.00011)	ND(0.0001)
40-5	9/18/2001	ND(0.00011)	ND(0.00011)
RFI-16-02	5/18/2001	ND(0.00013)	ND(0.00012)
RFI-16-11	8/13/2001	ND(0.00011)	ND(0.00011)
RFI-16-06	5/17/2001	ND(0.00011)	ND(0.00011)
RFI-04-04	6/8/2001	ND(0.0001)	ND(0.00011)
04-160	9/21/2001	ND(0.00012)	ND(0.00011)
RFI-44-06R	4/1/2003	ND(0.0001)	
RFI-44-02	5/21/2001	ND(0.0001)	ND(0.0001)
RFI-44-03	5/25/2001	ND(0.00011)	ND(0.0001)
04-4	9/17/2001	ND(0.00011)	ND(0.0001)
04-4	3/27/2003	ND(0.00011)	NS
RFI-44-04	9/18/2001	ND(0.00011)	ND(0.00011)
RFI-44-04	12/20/2002	ND(0.00011) /ND(0.00012)	ND(0.00011) /ND(0.00011)
RFI-44-04	4/3/2003	ND(0.0001)	NS
04-3	9/17/2001	ND(0.00012)	ND(0.00011)
RFI-44-05	9/14/2001	ND(0.0001)	0.00109 (IDW,RDW)
RFI-44-05	12/20/2002	ND(0.00012)	ND(0.00011)
RFI-44-05	3/24/2003	ND(0.0001) /ND(0.0001)	NS /NS
04-2	9/17/2001	0.00016 /0.00017	ND(0.0001) /0.00014
04-5	9/18/2001	ND(0.00011)	ND(0.00011)
04-1	9/14/2001	ND(0.00011)	0.000039 J
RFI-16-01	8/14/2001	ND(0.00011)	ND(0.00012)
RFI-16-20	12/12/2001	ND(0.00011)	ND(0.00011)
RFI-16-07	8/10/2001	ND(0.0001) /ND(0.00011)	ND(0.0001) /ND(0.0001)
04-120	9/17/2001	ND(0.00011)	ND(0.00011)
RFI-04-03	6/8/2001	ND(0.00011)	ND(0.0001)
40-302	9/17/2001	ND(0.00011)	ND(0.00011)
RFI-04-02	7/16/2001	ND(0.0001)	ND(0.00011)
RFI-16-04	8/10/2001	ND(0.0001)	ND(0.0001)
RFI-16-04	6/25/2002	ND(0.0001) /ND(0.0001)	ND(0.0001) /ND(0.0001)
04-140	10/1/2001	ND(0.00011)	ND(0.0001)
RFI-04-01	6/11/2001	ND(0.00011)	ND(0.00011)

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22-24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)–CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS–NOT ANALYZED FOR THIS CONSTITUENT.
9. J–ESTIMATED CONCENTRATION.
10. D–CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
11. GSI CRITERIA COMPARED TO SAMPLES LOCATED WITHIN 500 FEET OF THE FLINT RIVER.
12. BIS(2-ETHYLHEXYL)PHTHALATE DETECTED IN SAMPLES COLLECTED FROM TEMPORARY WELLS IN MAY 2001 WAS FOUND TO BE CAUSED BY THE TUBING USED TO COLLECT THE SAMPLES.
13. RDW – EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.
14. ULF – SAMPLE WAS COLLECTED USING ULTRA LOW-FLOW PROCEDURES TO MINIMIZE TURBIDITY.

GRAPHIC SCALE: 0 – 150' – 300'

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - FORMER BUILDINGS 04, 08, 16, 40, AND 44 AREA

ARCADIS

FIGURE **11**

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF*, *|HIST_SB, DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|HIST_SB_BH, GRAYX03|NAPL_EVID, *|NAPL_OBS, *|RFI_SS_PIEZ, *|LNAPL-SHD, *|GWlabels
G:\CAD\ACT\B0064410\0000\10500\DWG\CA750-07\64410C09.DWG LAYOUT: 11 SAVED: 3/31/2008 11:07 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:28 AM BY: STOWELL, GARY
XREFS: IMAGES: 64410X01 64410X03 64410X02 64410X01 64410X03 64410X06 64410X05 64410X29 64410X29 64410X00

RFI-09-46	12/19/2002	4/1/2003	10/5/2004	6/27/2007	10/26/2007
VOC					
1,1,1-Trichloroethane	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.7 D (GSI,DW,ROW) /0.68 D (GSI,DW,ROW)	0.5 D (GSI,DW,ROW)	0.049 (DW,ROW)	0.034 (DW,ROW)	0.165 (DW,ROW)
Carbon tetrachloride	ND(0.001 J) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	0.0019 /0.0018	0.0016	0.0004 J	0.0003 J	0.0006 J
Methylene chloride	ND(0.005) /ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	0.0532 (GSI) /0.0508 (GSI)	0.0447 (GSI)	0.019 J	0.01 J	0.016 J

RFI-09-13	10/3/2001	6/26/2002	3/26/2003	10/4/2004
VOC				
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Benzene	0.28 D (GSI,DW,ROW)	0.28 D (GSI,DW,ROW)	0.45 D (GSI,DW,ROW)	1.21 (GSI,DW,ROW)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Ethylbenzene	0.0046	0.0053	0.0048	0.003 J
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.05)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
Xylenes (total)	0.0414 (GSI)	0.04 (GSI)	0.0405 (GSI)	0.058 J (GSI)

MW-23	2/27/2002	3/20/2003	10/4/2004
VOC			
1,1,1-Trichloroethane	ND(0.001 J)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.002)	ND(0.002)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)

MW-22	2/27/2002	3/20/2003
VOC		
1,1,1-Trichloroethane	ND(0.001 J)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.002)	ND(0.002)
Xylenes (total)	ND(0.002)	ND(0.002)

RFI-09-14	10/3/2003	3/31/2003	10/4/2004	12/8/2006	6/27/2007	11/1/2007
VOC						
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

MW-21	3/20/2003
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-550	4/8/2005
VOC	
1,1,1-Trichloroethane	ND(0.01)
Benzene	0.84 (DW,ROW)
Carbon tetrachloride	ND(0.01)
Ethylbenzene	0.07
Methylene chloride	0.007 J (DW,ROW)
Trichloroethene	ND(0.01)
Vinyl chloride	ND(0.01)
Xylenes (total)	0.35 J

RFI-09-555	4/8/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.0005 J
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.01
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.013 J

RFI-09-545	4/7/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.006 (DW,ROW)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.002
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.003 J

RFI-09-540	4/8/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.033 (DW,ROW)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	0.0003 J
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.0005 J

RFI-09-08	9/14/2001	6/21/2002	3/21/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001 J)	ND(0.001)
Benzene	0.27 D (DW,ROW)	0.0089 (DW,ROW)	0.2 D (DW,ROW)
Carbon tetrachloride	ND(0.001)	ND(0.001 J)	ND(0.001)
Ethylbenzene	0.062	0.0011	0.097 D
Methylene chloride	ND(0.005)	ND(0.005)	0.0074 (DW,ROW)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	0.267	0.00064 J	0.117

RFI-09-080	4/7/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.094 (DW,ROW)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.164
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.362 J

RFI-09-090	4/7/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.0004 J
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.0007 J
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.001 J

RFI-09-09	9/17/2001	6/21/2002	3/21/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	0.00052 J	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	0.00092 J	ND(0.002)	ND(0.002)

RFI-09-44	3/21/2003	10/5/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.003)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)

RFI-09-52	9/15/2003
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-110	4/7/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.19 (DW,ROW)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.003
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.023 J

RFI-09-11	9/17/2001	6/21/2002	3/21/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001 J)	ND(0.001)
Benzene	0.8 D (DW,ROW)	0.83 D (DW,ROW)	1.1 D (DW,ROW)
Carbon tetrachloride	ND(0.001)	ND(0.001 J)	ND(0.001)
Ethylbenzene	0.065 /0.087	0.075	0.026
Methylene chloride	ND(0.005)	ND(0.005)	0.0067 (DW,ROW)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	0.173 /0.27	0.088	0.066

31-8	9/17/2001	6/24/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001) /ND(0.001)
Benzene	0.93 D (DW,ROW)	0.7 D (DW,ROW) /0.72 D (DW,ROW)
Carbon tetrachloride	ND(0.001)	ND(0.001) /ND(0.001)
Ethylbenzene	0.61 D	1 D (DW,ROW) /1.0 D (DW,ROW)
Methylene chloride	ND(0.005)	ND(0.005) /ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001) /ND(0.001)
Xylenes (total)	1.17	1.69 /1.7

RFI-09-12	12/13/2001	6/21/2002	3/21/2003
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	0.01 (DW,ROW)	0.013 J (DW,ROW)	0.0036
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.002)

MW-24	2/28/2002	3/20/2003
VOC		
1,1,1-Trichloroethane	ND(0.001 J)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)

RFI-09-07	6/21/2002	10/5/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
Benzene	0.052 J (DW,ROW)	0.007 (DW,ROW)
Carbon tetrachloride	ND(0.001)	ND(0.001)
Ethylbenzene	0.062 J	0.018
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	0.0719 J	0.015

RFI-09-32	5/8/2002	6/26/2002	3/31/2003
VOC			
1,1,1-Trichloroethane	ND(0.045)	ND(0.001)	ND(0.001)
Benzene	ND(0.045)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.045)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.045)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.19)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.045)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.045)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.089)	ND(0.002)	ND(0.002)

MW-25	6/26/2002	3/21/2003	10/5/2004
VOC			
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)

RFI-09-03	5/29/2001
VOC	
1,1,1-Trichloroethane	ND(0.001 J)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.00011 J
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.00012 J

MW-26	6/26/2002	3/24/2003	10/5/2004
VOC			
1,1,1-Trichloroethane	0.003	0.0018	0.003
Benzene	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	0.00057 J	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)

RFI-09-04	11/28/2001
VOC	
1,1,1-Trichloroethane	0.0016 /0.0017
Benzene	ND(0.001) /ND(0.001)
Carbon tetrachloride	ND(0.001) /ND(0.001)
Ethylbenzene	ND(0.001) /ND(0.001)
Methylene chloride	ND(0.005) /ND(0.005)
Trichloroethene	0.0093 (DW,ROW) /0.0093 (DW,ROW)
Vinyl chloride	ND(0.001) /ND(0.001)
Xylenes (total)	ND(0.002) /ND(0.002)

RFI-09-04R	6/24/2002	3/24/2003	10/5/2004	6/8/2005	11/1/2006	11/14/2007
VOC						
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	0.0003 J	0.0006 J	0.0006 J
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	0.0067 (DW,ROW)	0.0055 (DW,ROW)	0.011 (DW,ROW)	0.009 (DW,ROW)	0.012 (DW,ROW)	0.01 (DW,ROW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-09-58	7/22/2005
VOC	
1,1,1-Trichloroethane	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
Carbon tetrachloride	ND(0.001) /ND(0.001)
Ethylbenzene	ND(0.001) /ND(0.001)
Methylene chloride	ND(0.005) /ND(0.005)
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)
Xylenes (total)	ND(0.001) /ND(0.001)

RFI-09-57	7/6/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.001)

RFI-09-53	4/7/2005	6/8/2005	11/1/2006	11/14/2007
VOC				
1,1,1-Trichloroethane	0.05	0.258 (DW,ROW)	0.145 /0.132	0.133
Benzene	0.0003 J	ND(0.005)	ND(0.001) /ND(0.001)	0.0002 J
Carbon tetrachloride	0.0003 J	ND(0.005)	0.002 /0.001	0.0007 J
Ethylbenzene	ND(0.001)	ND(0.005)	ND(0.001) /ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.03)	ND(0.005) /ND(0.005)	ND(0.005)
Trichloroethene	0.035 (DW,ROW)	0.184 (DW,ROW)	0.113 (DW,ROW) /0.106 (DW,ROW)	0.123 (DW,ROW)
Vinyl chloride	0.001 J	ND(0.005)	0.004 (DW,ROW) /0.004 (DW,ROW)	0.005 (DW,ROW)
Xylenes (total)	ND(0.001)	ND(0.005)	ND(0.001) /ND(0.001)	ND(0.001)

RFI-09-49R	4/3/2003	10/5/2004
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.0026 J	0.008 (DW,ROW)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.001)

RFI-09-48R	6/24/2002	3/24/2003	10/5/2004	6/8/2005	11/1/2006	11/14/2007
VOC						
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	0.0067 (DW,ROW)	0.0055 (DW,ROW)	0.011 (DW,ROW)	0.009 (DW,ROW)	0.012 (DW,ROW)	0.01 (DW,ROW)
Vinyl chloride	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

RFI-09-45	12/20/2002
VOC	
1,1,1-Trichloroethane	ND(0.001) /ND(0.001)
Benzene	ND(0.001) /ND(0.001)
Carbon tetrachloride	ND(0.001 J) /ND(0.001 J)
Ethylbenzene	ND(0.001) /ND(0.001)
Methylene chloride	ND(0.005) /ND(0.005)
Trichloroethene	ND(0.001) /ND(0.001)
Vinyl chloride	ND(0.001) /ND(0.001)
Xylenes (total)	ND(0.002) /ND(0.002)

31-6	9/17/2001	6/21/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001 J)
Benzene	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001 J)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	ND(0.002)	ND(0.002)

31-5	9/17/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-06	9/13/2001	6/21/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001 J)
Benzene	0.014 (DW,ROW)	0.012 (DW,ROW)
Carbon tetrachloride	ND(0.001)	ND(0.001 J)
Ethylbenzene	0.005	0.0045
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	ND(0.001)	ND(0.001)
Vinyl chloride	ND(0.001)	ND(0.001)
Xylenes (total)	0.0184	0.0182

RFI-09-05	5/29/2001
VOC	
1,1,1-Trichloroethane	ND(0.001 J)
Benzene	0.0001 J
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.00019 J
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.00033 J

RFI-09-10	9/13/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-36R	3/24/2003
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-01R	3/24/2003
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	ND(0.001)
Methylene chloride	ND(0.005)
Trichloroethene	0.0015
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-01	9/14/2001	6/24/2002
VOC		
1,1,1-Trichloroethane	ND(0.001)	ND(0.001)
Benzene	ND(0.001)	ND(0.001)
Carbon tetrachloride	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)
Trichloroethene	0.0038 (DW,ROW)	0.0022 (DW,ROW)
Vinyl chloride	ND(0.002)	ND(0.002)
Xylenes (total)	ND(0.002)	ND(0.002)

RFI-09-02	5/30/2001
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	ND(0.001)
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.0003 J
Methylene chloride	ND(0.005)
Trichloroethene	0.0019
Vinyl chloride	ND(0.001)
Xylenes (total)	ND(0.002)

RFI-09-56	7/6/2005
VOC	
1,1,1-Trichloroethane	ND(0.001)
Benzene	0.001
Carbon tetrachloride	ND(0.001)
Ethylbenzene	0.0003 J
Methylene chloride	ND(0.005)
Trichloroethene	ND(0.001)
Vinyl chloride	ND(0.001)
Xylenes (total)	0.0014 J

SITE LOCATION

LEGEND

- GM PROPERTY BOUNDARY
- PROPERTY PREVIOUSLY OWNED BY GM (STILL SUBJECT TO RCRA CORRECTIVE ACTION)
- DEMOLISHED BUILDING
- APPROXIMATE AOI BOUNDARY
- AOI B1-1 — AOI ID
- BASEMENT/TUNNEL AREA
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- 736 — WATER TABLE ELEVATION CONTOUR (FT AMSL) (DASHED WHERE INFERED)
- 739.13 — GROUNDWATER ELEVATION (IN FEET)
- [743.02] — ANOMALOUS GROUNDWATER ELEVATION (IN FEET), NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS
- 04-140 — HISTORICAL MONITORING WELL LOCATION
- RFI-83/84-03 — RFI SOIL BORING LOCATION
- RFI-09-02 — RFI SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION
- RFI-09-01 — RFI MONITORING WELL LOCATION
- RFI-12-13 — DECOMMISSIONED/DESTROYED MONITORING WELL
- RFI-36-01 — RFI PIEZOMETER
- FORMER RIVER GAUGE LOCATION
- CURRENT RIVER GAUGE LOCATION
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005 (REVIEWED IN 2006 AT MONITORING PROGRAM LOCATIONS)
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- EXCEEDS MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA:
  - IDW – INDUSTRIAL DRINKING WATER
  - GSI – GROUNDWATER SURFACE WATER INTERFACE

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
2. WATER TABLE ELEVATION CONTOURS MEASURED ON OCTOBER 22–24, 2007.
3. ALL LOCATIONS ARE APPROXIMATE.
4. CONSTITUENTS PRESENTED HERE ARE THOSE WHICH EXCEED ONE OR MORE MICHIGAN PART 201 GENERIC RESIDENTIAL AND/OR INDUSTRIAL SCREENING CRITERIA IN SOIL OR GROUNDWATER SAMPLES COLLECTED IN THE AREA SHOWN ON THIS FIGURE.
5. ALL CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
6. ND (1.0)—CONSTITUENT NOT DETECTED. ASSOCIATED DETECTION LIMIT PRESENTED IN PARENTHESES.
7. DUPLICATE ANALYSES SEPARATED BY SLASHES (/).
8. NS—NOT ANALYZED FOR THIS CONSTITUENT.
9. J—ESTIMATED CONCENTRATION.
10. D— CONCENTRATION BASED ON A DILUTED SAMPLE ANALYSIS.
11. RDW – EXCEEDS MICHIGAN PART 201 RESIDENTIAL DRINKING WATER CRITERIA.

0 150' 300'
GRAPHIC SCALE

MARCH 2008

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
CA 750 REPORT GROUNDWATER MONITORING DATA

GROUNDWATER ANALYTICAL DATA - FORMER BUILDING 09 AREA

ARCADIS

FIGURE 12

CITY: SYR DIV/GROUP: 85 DB: GMS KFS LD: GMS AM: PD: TM: TR: LYR:ON=*;OFF=*REF* *IHIST_SB_DATABOX_POINT, GRAYX01|PROPERTY, GRAYX01|SHD-BUILDING, GRAYX03|IHIST_SB_BH, GRAYX03|NAPL_EVID, *INAPL_OBS, *IRFI_SS_PIEZ, *ILNAPL-SHD, *GWlabels
G:\CADACT\B006441\0000011050\DWG\CA750-07\64410C10.DWG LAYOUT: 12 SAVED: 3/31/2008 11:19 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/31/2008 11:27 AM BY: STOWELL, GARY

XREFS:
IMAGES:
64410X01
64410X02
64410X03
64410X01
64410X03
64410X06
64410X06
64410X29
64410X00

ARCADIS

Attachment 1

Data Validation Report

64410.4.05

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MEMORANDUM

TO: Lisa Coffey [lcoffey@bbl-inc.com]

FROM: Paul McMahon/jbh/19

C.C.: JoAnn Robertson [Jrobertson@bbl-inc.com]

REF. NO.: 017307-195013

DATE: October 30, 2007

E-Mail and U.S. Mail

PREVIOUSLY TRANSMITTED BY E-MAIL

RE: **Data Quality Assessment and Validation**
Quarterly Groundwater Monitoring
General Motors NAO Flint Operations
Flint, Michigan
September 2007

The following details a quality assessment and validation of the analytical data resulting from the collection of one water, one trip blank, and one field duplicate sample from the General Motors Site (Site) in Flint, Michigan in September 2007. The sample summary detailing sample identification, sample location, quality control (QC) samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Merit Laboratories, Inc. in East Lansing, Michigan, in accordance with the methodology presented in Table 2. The QC criteria used to assess the data were established by the method and the following documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", USEPA 540/R-99/008, October 1999; and

ii) "Innovative Approaches to Data Validation", United States Environmental Protection Agency (USEPA) Region III, June 1995.

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 quality assurance/quality control (QA/QC) provided.

Holding Time Period and Sample Analysis

The holding time period is presented in the analytical method. All samples were prepared and analyzed within the method-required holding time.

Gas Chromatography/Mass Spectrometer (GC/MS) Mass 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 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 periods. All tuning criteria were met for the analyses, indicating proper optimization of the instrumentation.

Initial Calibration - 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; and

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

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

Continuing Calibration - 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 RRFs values must be greater than or equal to 0.05; and

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

Calibration standards were analyzed at the required frequency and all results met the above criteria for instrument sensitivity. Some VOCs exhibited variability in instrument response. Associated sample data for these compounds were qualified as estimated (see Table 3).

Method Blank Samples

Method blanks are prepared and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the procedures.

For this study, method blanks were analyzed at a minimum frequency of one per analytical batch. The blank results were non-detect for all analytes of interest.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

In accordance with the method employed, all samples, blanks, and QC samples analyzed for VOCs were spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency and are assessed against laboratory control limits. All sample surrogate recoveries were within the laboratory specified control limits, demonstrating acceptable analytical accuracy.

Laboratory Control Sample (LCS) Analysis

The LCS serves as a measure of overall analytical performance. LCSs are prepared with all analytes of interest and analyzed with each sample batch.

LCSs were prepared and analyzed for all parameters. Three LCS recoveries were outside of control limits. All sample results associated with the outlying LCS recoveries were qualified as estimated (see Table 1).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

MS/MSD samples are prepared for each parameter and analyzed with each sample batch. The recoveries of spike analyses are used to assess the analytical accuracy achieved on individual sample matrices. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as shown in Table 1. Four recoveries were outside control limits, and the associated sample results were qualified as estimated (see Table 5).

Internal Standard (IS) Summaries

To correct for changes in GC/MS response and sensitivity, IS compounds are added to investigative samples and QC samples prior to VOC analyses. All results are calculated as a ratio of the IS response. The criteria by which the IS results are assessed are as follows:

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

ii) the retention time of the IS must not vary more than ±30 seconds from the associated calibration standard.

All sample IS results met the above criteria and all were correctly used to calculate sample results.

Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra were evaluated according to identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organics reported adhered to the specified identification criteria.

Trip Blanks

Trip blanks are transported, stored, and analyzed with the investigative samples to identify potential cross-contamination of VOCs. One trip blank was collected, and most results were non-detect for the analytes of interest. Toluene and chloromethane were detected in the trip blank, but were not detected in the investigative samples.

Field Duplicates

One sample was collected in duplicate as summarized in Table 1 and submitted to the laboratory for analysis. All sample results showed acceptable sampling and analytical precision.

System Performance

System performance between various QC checks was evaluated to monitor for changes that may have caused the degradation of data quality. The samples identified in Table 1 were reviewed. No technical problems or chromatographic anomalies were observed which 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 as reported with the noted qualifications.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
SEPTEMBER 2007

Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Analysis/Parameters TCL VOCs*	*Comments*
RFI-36-48(093007)GW	RFI-36-48	09/30/07	17:00	X	MS/MSD
TB-1(093007)	Trip Blank	09/30/07	-	X	Trip Blank
RFI-DUP1(093007)GW	RFI-36-48	09/30/07	17:00	X	Duplicate of RFI-DUP1(093007)GW

Notes:

-	Not applicable.
MS	Matrix Spike.
MSD	Matrix Spike Duplicate.
TCL	Target Compound List.
VOCs	Volatile Organic Compounds.

TABLE 2

SUMMARY OF ANALYTICAL METHODOLOGIES
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
SEPTEMBER 2007

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

Notes:

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

TCL Target Compound List.

VOCs Volatile Organic Compounds.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
SEPTEMBER 2007

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Sample Results*	*Qualifier*	*Units*
Volatiles	10/12/07	Acetone	29	RFI-36-48(093007)GW	20 U	UJ	ug/L
				RFI-DUP1(093007)GW	20 U	UJ	ug/L
Volatiles	10/12/07	Methyl acetate	40	RFI-36-48(093007)GW	10 U	UJ	ug/L
				RFI-DUP1(093007)GW	10 U	UJ	ug/L
Volatiles	10/12/07	2-Butanone (Methyl Ethyl Ketone)	36	RFI-36-48(093007)GW	20 U	UJ	ug/L
				RFI-DUP1(093007)GW	20 U	UJ	ug/L
Volatiles	10/12/07	Chloromethane (Methyl Chloride)	34	RFI-36-48(093007)GW	1 U	UJ	ug/L
				RFI-DUP1(093007)GW	1 U	UJ	ug/L
Volatiles	10/12/07	Methylene chloride	35	RFI-36-48(093007)GW	5 U	UJ	ug/L
				RFI-DUP1(093007)GW	5 U	UJ	ug/L

Notes:
%D Percent Difference.
U Not detected.
UJ Not detected, estimated reporting limit.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RESULTS
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
SEPTEMBER 2007

Parameter	*Compound*	*Preparation Date*	*Percent Recovery*	*Control Limits (percent)*	*Associated Sample ID*	*Sample Results*	*Units*	*Qualifier*
Volatiles	Methyl acetate	10/12/07	60	77-126	RFI-36-48(093007)GW	10 U	ug/L	UJ
					RFI-DUP1(093007)GW	10 U	ug/L	UJ
Volatiles	2-Butanone (Methyl Ethyl Ketone)	10/12/07	57	59-120	RFI-36-48(093007)GW	20 U	ug/L	UJ
					RFI-DUP1(093007)GW	20 U	ug/L	UJ
Volatiles	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	10/12/07	74	80-120	RFI-36-48(093007)GW	10 U	ug/L	UJ
					RFI-DUP1(093007)GW	10 U	ug/L	UJ

Notes:
U Not detected.
UJ Not detected, estimated reporting limit.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
SEPTEMBER 2007

Parameter	*Associated Sample ID*	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD*	*Control Limits*		*Sample Result*	*Qualifier*	*Units*
						Recovery (percent)	*RPD (percent)*			
Volatiles	RFI-36-48(093007)GW	Methyl acetate	61	64	2	77-126	20	10 U	UJ	ug/L
		2-Butanone (Methyl Ethyl Ketone)	58	61	5	59-120	20	20 U	UJ	ug/L
		4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	77	79	3	80-120	20	10 U	UJ	ug/L
		Methyl cyclohexane	74	75	1	76-127	20	20 U	UJ	ug/L

Notes:
MS Matrix Spike.
MSD Matrix Spike Duplicate.
RPD Relative Percent Difference.
U Not detected.
UJ Not detected, estimated reporting limit.

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MEMORANDUM

TO: Lisa Coffey [lcoffey@bbl-inc.com]

REF. NO.: 017307
(17307-E195013 Q080)

FROM: Sheri Finn/jbh/adh/22 SF

DATE: December 31, 2007
Rev. January 11, 2008

E-Mail and Interoffice Mail

C.C. JoAnn Robertson [Jrobertson@bbl-inc.com]
Paul McMahon

RE: Data Quality Assessment and Validation
Quarterly Groundwater Monitoring
General Motors NAO Flint Operations
Flint, Michigan
October and November 2007

The following details a quality assessment and validation of the analytical data resulting from the collection of 42 water samples, three trip blanks, and three field duplicate samples from the General Motors Site (Site) in Flint, Michigan during October and November 2007. The sample summary detailing sample identification, sample location, quality control (QC) samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Merit Laboratories, Inc. in East Lansing, Michigan, in accordance with the methodology presented in Table 2. The QC criteria used to assess the data were established by the method and the following documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999;

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", United States Environmental Protection Agency (USEPA) 540/R-94-013, February 1994; and

iii) "Innovative Approaches to Data Validation", USEPA Region III, June 1995.

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 quality assurance/quality control (QA/QC) provided.

Holding Time Period and Sample Analysis

The holding time periods are presented in the analytical methods. All samples were prepared and analyzed within the method-required holding times. All samples were properly cooled to 4°C (±2°C) after collection.

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Gas Chromatography/Mass Spectrometer (GC/MS) Mass 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) and semi-volatile organic compound (SVOC) methods require the analysis of the specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP), respectively. 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 and SVOC analysis periods. 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; and

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.

Initial Calibration - Organics, GC

To quantify compounds of interest, calibration of the GC over a specific concentration range must be performed. Initially, five-point calibration curves are analyzed for all the compounds of interest.

Linearity of the calibration curves are acceptable if %RSD values are less than or equal to 20 percent or if the correlation coefficient is greater than 0.995. Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify all compounds of interest in subsequent analyses.

Initial calibration standards were analyzed at the required frequencies. All retention time and linearity criteria were satisfied.

Initial Calibration - Inorganic Analyses

To calibrate the inductively coupled plasma (ICP), a calibration blank and at least one standard must be analyzed at each wavelength to establish the analytical curve.

After calibration, an initial calibration verification (ICV) standard must be analyzed to verify the analytical accuracy of the calibration curves within a method-specific percent recovery of the accepted or true value.

A review of the data showed that all metals calibration curves and ICVs were analyzed at the proper frequencies and were within the acceptance criteria.

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; and

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

Calibration standards were analyzed at the required frequency and all results met the above criteria for instrument sensitivity. Some VOCs exhibited variability in instrument response. Associated sample data for these compounds were qualified as estimated (see Table 3).

Continuing Calibration - Organics, GC

To ensure that the calibration of the instrument is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for each compound in all continuing standards and assessed against an acceptance criterion of 15 percent.

To ensure that compound retention times do not vary over the analysis period, all retention times must fall within the established retention time windows.

Calibration standards were analyzed at the required frequency and the results met the above criteria for instrument sensitivity and linearity of response.

Continuing Calibration – Inorganics

Continuing calibration criteria for inorganic analyses were the same criteria as used for assessing the initial calibration data. The continuing calibration verification data were within the acceptance criteria.

Method Blank Samples

Method blanks are prepared and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the procedures.

For this study, method blanks were analyzed at a minimum frequency of one per analytical batch. The blank results were non-detect for the analytes of interest.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

In accordance with the methods employed, all samples, blanks, and standards analyzed for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and dioxin are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency and are assessed against method control limits. All surrogate recoveries were within the laboratory specified control limits demonstrating acceptable analytical accuracy.

Laboratory Control Sample (LCS) Analysis

The LCS serves as a measure of overall analytical performance. LCSs are prepared with all analytes of interest and analyzed with each sample batch. Some LCSs are prepared and analyzed in duplicate.

LCSs were prepared and analyzed for all parameters. The LCS recoveries were within the laboratory specified control limits for all analytes of interest demonstrating acceptable overall analytical accuracy and precision (where applicable) with the exception of one high VOC recovery. The associated detected sample result was qualified as estimated (see Table 4).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

MS/MSD samples are prepared using a representative subset of analytes for each parameter and analyzed with each sample batch for the organic parameters. MS/MSD samples are prepared and analyzed with the samples for each metal. The recoveries of spike analyses are used to assess the analytical accuracy achieved on individual sample matrices. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

Site-specific MS/MSD analyses were performed as specified in Table 1 and all recoveries were within laboratory specified control limits.

Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Analysis

To verify that proper inter-element and background correction factors have been established by the laboratory, ICSs are analyzed. These samples contain high concentrations of aluminum, calcium, magnesium, and iron and are analyzed at the beginning and end of each sample analysis period.

ICS analysis results were evaluated for all samples. All ICS recoveries were within the established control limits of 80 to 120 percent.

Serial Dilution - Inorganic Analyses

The serial dilution determines whether significant physical or chemical interferences exist due to sample matrix. A minimum of one per 20 investigative samples is analyzed at a five-fold dilution. For samples with sufficient analyte concentrations, the serial dilution results must agree within 10 percent of the original results.

Site-specific serial dilution analyses were not performed.

Internal Standard (IS) Summaries

To correct for changes in GC/MS response and sensitivity, IS compounds are added to investigative samples and QC samples prior to VOC, and SVOC analysis. All results are calculated as a ratio of the IS response. The criteria by which the IS results are assessed are as follows:

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

ii) the retention time of the IS must not vary more than ±30 seconds from the associated calibration standard.

All sample IS results met the above criteria and all were correctly used to calculate sample results.

Field QA/QC

The field QA/QC consisted of three trip blanks, and three field duplicate samples.

Trip Blank

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 were non-detect for the compounds of interest with the exception of toluene. One associated toluene result with a concentration similar to that found in the trip blank was qualified non-detect (see Table 5). Associated results that were either non-detect or significantly greater than the concentrations found in the blanks would not have been impacted.

Field Duplicate

Samples were collected in duplicate as summarized in Table 1 and submitted blind to the laboratory for analysis. All sample results outside estimated ranges of detection showed acceptable sampling and analytical precision.

Overall Assessment

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

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
OCTOBER-NOVEMBER 2007

Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Analysis/Parameters*			*Comments*
				TCL VOCs	*Total PCBs*	*Lead*	
RFI-10-29(10/25/07)	RFI-10-29	10/25/07	17:15	X			
RFI-10-28(10/25/07)	RFI-10-28	10/25/07	15:40	X			MS/MSD
RFI-10-33(10/25/07)	RFI-10-33	10/25/07	14:35	X			
Duplicate-1(10/25/07)	RFI-10-33	10/25/07	14:35	X			Field Duplicate of RFI-10-33(10/25/07)
RFI-10-35(10/25/07)	RFI-10-35	10/25/07	15:52	X			
RFI-10-36(10/25/07)	RFI-10-36	10/25/07	14:37	X			
RFI-10-24(10/25/07)	RFI-10-24	10/25/07	12:28	X			
RFI-84-06R(10/26/07)	RFI-84-06R	10/25/07	8:40	X			
RFI-84-06RD(10/26/07)	RFI-84-06RD	10/25/07	9:40	X			
RFI-17-02D(10/26/07)	RFI-17-02D	10/26/07	10:50	X			
RFI-17-02(10/26/07)	RFI-17-02	10/26/07	11:40	X			
20-500R(10/26/07)	20-500R	10/26/07	11:23	X			
RFI-84-09S(10/26/07)	RFI-84-09S	10/26/07	13:20	X			
TRIPBLANK(10/26/07)	Trip Blank	10/26/07		X			Trip Blank
RFI-84-09D(10/26/07)	RFI-84-09D	10/26/07	14:15	X			
RFI-09-46(10/26/07)	RFI-09-46	10/26/07	15:30	X			
RFI-36-14(10/26/07)	RFI-36-14	10/26/07	13:23	X			
RFI-10-26(10/26/07)	RFI-10-26	10/26/07	14:57	X			
20-FP10R(10/26/07)	20-FP10R	10/26/07	17:09	X			
RFI-81-51(10/29/07)	RFI-81-51	10/29/07	12:28	X			
RFI-86-16R(10/29/07	RFI-86-16R	10/29/07	14:28	X			
70-165(10/29/07)	70-165	10/29/07	16:30	X		X	
RFI-81-51(10/29/07)	RFI-81-51	10/29/07	12:28	X			
RFI-36-19(10/30/07)	RFI-36-19	10/30/07	9:18	X			
RFI-36-37(10/30/07)	RFI-36-37	10/30/07	11:33	X			
RFI-36-56(10/30/07)	RFI-36-56	10/30/07	12:23	X			
RFI-36-47(10/30/07)	RFI-36-47	10/30/07	14:34	X			
RFI-36-55(10/30/07)	RFI-36-55	10/30/07	14:52	X			
Duplicate-2(10/30/07)	RFI-36-47	10/30/07	14:34	X			Field Duplicate of RFI-36-47(10/30/07)
RFI-23-01R(10/31/07)	RFI-23-01R	10/31/07	11:28	X			
RFI-81-50(10/31/07)	RFI-81-50	10/31/07	11:31	X		X	
RFI-02-12(10/31/07)	RFI-02-12	10/31/07	14:06	X			
40-304(10/31/07)	40-304	10/31/07	14:03	X	X		MS/MSD
RFI-16-04R(10/31/07)	RFI-16-04R	10/31/07	16:12	X	X		
duplicate-3(10/31/07)	RFI-16-04R	10/31/07	16:12	X	X		Field Duplicate of RFI-16-04R(10/31/07)
40-303R(10/31/07)	40-303R	10/31/07	16:51	X	X		
RFI-09-48(11/1/07)	RFI-09-48	11/01/07	11:17	X			
RFI-02-24(11/1/07)	RFI-02-24	11/01/07	13:55	X			
RFI-09-14(11/1/07)	RFI-09-14	11/01/07	15:11	X			
RFI-94-11(11/2/07)	RFI-94-11	11/02/07	9:37	X			
RFI-03-04(11/2/07)	RFI-03-04	11/02/07	11:41	X			
43-140(11/2/07)	43-140	11/02/07	11:52	X			
87-FP-4(11/2/07)	87-FP4	11/02/07	13:35	X			
Trip Blank 3 (11/2/07)	Trip Blank	11/02/07	na	X			Trip Blank
RFI-09-53 (111407)	RFI-09-53	11/14/07	15:15	X			
RFI-09-04R (111407)	RFI-09-04R	11/14/07	14:20	X			
RFI-36-02 (111407)	RFI-36-02	11/14/07	13:01	X			
TB-1 (111407)	Trip Blank	11/14/07	-	X			Trip Blank

Notes:

-	Not applicable.
MS	Matrix Spike.
MSD	Matrix Spike Duplicate.
PCBs	Polychlorinated Biphenyls.
TCL	Target Compound List.
VOCs	Volatile Organic Compounds.

TABLE 2

SUMMARY OF ANALYTICAL METHODOLOGIES
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
OCTOBER-NOVEMBER 2007

Parameter	*Method*
TCL VOCs	SW-846 8260[1]
PCBs	SW-846 8082[1]
Lead	SW-846 6020[1]

Notes:

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

TCL Target Compound List.

VOCs Volatile Organic Compounds.

PCBs Polychlorinatedbiphenyls

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
OCTOBER-NOVEMBER 2007

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Sample Results*	*Qualifier*	*Units*
VOCs	11/17/07	Dichlorodifluoromethane	33	RFI-09-04R (111407)	1 U	ug/L	UJ
				RFI-09-53 (111407)	1 U	ug/L	UJ
				RFI-36-02 (111407)	1 U	ug/L	UJ

Notes:
%D Percent Difference.
U Not detected.
UJ Not detected, estimated reporting limit.
VOCs Volatile Organic Compounds.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
OCTOBER-NOVEMBER 2007

Parameter	*Compound*	*LCS Date*	*Associated Sample ID*	*LCS %Rec*	*LCSD %Rec*	*RPD (percent)*	*Control Limits*		*Sample Results*	*Units*	*Qualifier*
							%Rec	*%RPD*			
VOCs	Trichlorofluoromethane	11/09/07	RFI-36-19(10/30/07)	128	132	3.1	79 - 121	25	3	ug/L	J

Notes:
%Rec Percent Recovery.
J Estimated.
LCS Laboratory Control Sample.
LCSD Laboratory Control Sample Duplicate.
RPD Relative Percent Difference.
VOCs Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
QUARTERLY GROUNDWATER MONITORING
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
OCTOBER-NOVEMBER 2007

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Sample Result*	*Qualified Sample Result*	*Units*
VOCs	10/26/07	Toluene	0.2J	20-500R(10/26/07)	0.7 J	1 U	ug/L

Notes:
J Estimated.
U Not detected.
VOCs Volatile Organic Compounds.