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Subject:

Results of Quarterly Groundwater Sampling Event – December 2008
GM NAO Flint Operations Site, Flint, Michigan
USEPA ID No. MID 005 356 712

Dear Ms. Groboski:

Date:
April 15, 2009

This report is being submitted on behalf of Kurt Blizzard, of the General Motors Corporation (GM), to present the results of groundwater sampling completed in accordance with Section 2.7 of GM's *Migration of Contaminated Groundwater Under Control Environmental Indicator Report*, submitted to USEPA on September 23, 2005 (*EI CA750 Report*), for its North American Operations (NAO) Flint Operations Site in Flint, Michigan (the Site). The EI CA750 Report, prepared by ENVIRON International Corporation (ENVIRON), included a groundwater monitoring plan consisting of quarterly groundwater sample collection and analysis, groundwater elevation measurements, light non-aqueous phase liquid (LNAPL) thickness measurements at certain locations, data evaluation, and reporting. The scope of the sampling program is the same for the first, second, and fourth quarterly monitoring events and an expanded sampling program is completed during the third quarterly monitoring event.

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B0064410 #2.04

This report presents the results of the fourth quarterly groundwater monitoring event for 2008, which was performed from December 1 to 5, 2008. A total of 23 monitoring wells were sampled during this event. Table 1 presents a summary of the collected samples.

All activities were performed in accordance with the *Field Sampling Plan (FSP)* (Blasland, Bouck & Lee [BBL], 2001, as amended). The monitoring wells were sampled using low-flow sampling methods, and the static groundwater level in each well was measured to the nearest hundredth of one foot using an electronic water level probe prior to sampling. The water levels from each well are presented in Table 2. Each well was purged until stability of the measured field parameters was reached. Field-measured data, which are summarized in Table 3, include temperature, specific electrical conductivity, dissolved oxygen (DO), oxidation/reduction potential (ORP), pH, and turbidity. Groundwater samples were submitted to Merit Analytical Laboratories of East Lansing, Michigan, as described in

Imagine the result

the FSP, and analyzed using the procedures specified in the *Quality Assurance Project Plan* (QAPP) (BBL, 2001, as amended) for volatile organic compounds (VOCs). The analytical results are presented in Table 4. The data were validated as specified in the QAPP by Conestoga-Rovers & Associates (CRA) of Waterloo, Ontario, and the data validation report is provided as Attachment 1.

The results of the December CA750 sampling event are consistent with the results from prior monitoring events, except as identified below:

- RFI-36-47 (AOI 36-1): The concentration of 1,1-dichloroethene decreased from 0.031 mg/L in September 2008 to non detect, with a detection limit of 0.001 mg/L, in December 2008. 1,1-Dichloroethene was not detected during the five sampling events conducted prior to September 2008, but had been detected at this location above the drinking water criterion (of 0.007 mg/L) in 2005 at a concentration of 0.070 mg/L.
- RFI-17-02D (AOI 84-D): The concentrations of benzene increased from 0.072 mg/L in September 2008 to 0.130 mg/L in December 2008, both of which exceeded the drinking water criterion of 0.005 mg/L. Benzene did not exceed the drinking water criterion prior to June 2008.

A downgradient monitoring well (RFI-84-12) was installed at the GM property line on November 24, 2008, to monitor benzene concentrations at the GM property boundary. The monitoring well construction log is provided in Attachment 2. Monitoring well RFI-84-12 was sampled on December 3, 2008 and benzene was not detected. New down-gradient monitoring well RFI-84-12 will replace monitoring well RFI-17-02D in future monitoring events.

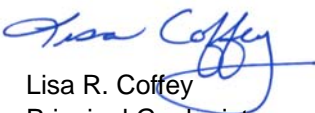
As discussed with you during our conference call on February 19, 2009, GM would like to discontinue the Environmental Indicators CA750 groundwater monitoring program in favor of implementing the monitoring program presented in the Revised Corrective Measures Plan (Revised CMP), dated May 1, 2008, with modifications made in response to collected analytical data. Specifically, the groundwater monitoring plan included in the Revised CMP has been modified in response to more recent Site groundwater data, and the revised program is described in Attachment 3, which includes a modified Table 5-1, as well as modified Figures 5-1 and 5-2 from the Revised CMP. Based on the February 19, 2009 coordination conference call, and your electronic mail message to Kurt Blizzard, dated February 20, 2009, the CA750 groundwater monitoring program will be discontinued, and the revised CMP program will be implemented in October 2009. In response to your request for additional monitoring at locations included to monitor subsurface conditions following the

shutdown of LNAPL recovery systems, monitoring at these 7 locations has been increased to semiannual monitoring for a 2-year period following system shutdown.

If you have any questions, please contact me.

Sincerely,

ARCADIS



Lisa R. Coffey
Principal Geologist

LRC/plf

Attachments:

Table 1 – December 2008 Groundwater Sample Collection Summary

Table 2 – December 2008 Groundwater Elevation Data

Table 3 – December 2008 Field Parameter Data

Table 4 – December 2008 and Historical Groundwater Analytical Data

Attachment 1 – Data Validation Report

Attachment 2 – Monitoring Well Construction Log for RFI-84-12

Attachment 3 – Proposed Groundwater Monitoring Plan; Revised CMP Table 5-1
Revised CMP Figures 5-1 and 5-2

Copies:

Kurt Blizzard, GM

Jean Caufield, GM

Peter Quackenbush, MDEQ

William Yocum, MDEQ

Francis Ramacciotti, ENVIRON

Derek Kaiding, ARCADIS

Flint Public Library, c/o Derek Kaiding (ARCADIS)

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Tables

**Table 1. December 2008 Quarterly Groundwater Sample Collection Summary,
General Motors Corporation, NAO Flint Operations Site - Flint, Michigan**

Sampling Location	Area of Interest (AOI)	Property	Constituents of Concern
RFI-02-24	02-B	UPF	VOCs
RFI-09-14	09-B	DuPont	VOCs
RFI-09-46	09-B	DuPont	VOCs
RFI-09-48	09-B	City of Flint	VOCs
RFI-10-24	10-2	City of Flint	VOCs
RFI-10-28	10-2	Crown Central Transport	VOCs
RFI-10-29	10-2	City of Flint	VOCs
RFI-10-33	10-2	Crown Central Transport	VOCs
RFI-10-35	10-2	City of Flint	VOCs
RFI-10-36	10-2	City of Flint	VOCs
RFI-17-02	17-A	GM	VOCs
RFI-17-02D	84-D	GM	VOCs
RFI-36-19	36-1	City of Flint	VOCs
RFI-36-47	36-1	CXS	VOCs
RFI-36-48	36-1	Consumers	VOCs
RFI-36-55	36-1	City of Flint	VOCs
RFI-36-56	36-1	City of Flint	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
RFI-84-12	84-D	GM	VOCs
RFI-94-11	94-B	City of Flint	VOCs

Table 2. December 2008 Groundwater Elevation Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Well ID	Measuring Point Elevation (feet)	December 1-5, 2008	
		Depth to Water (feet)	Groundwater Elevation
RFI-02-24	729.88	1.12	728.76
RFI-09-14	724.44	4.86	719.58
RFI-09-46	723.17	8.83	714.34
RFI-09-48	719.88	12.10	707.78
RFI-10-24	751.53	11.14	740.39
RFI-10-28	752.58	13.19	739.39
RFI-10-29	752.40	13.47	738.93
RFI-10-33	755.30	13.54	741.76
RFI-10-35	755.69	15.50	740.19
RFI-10-36	752.82	13.12	739.70
RFI-17-02	720.27	5.11	715.16
RFI-17-02D	720.36	5.02	715.34
RFI-36-19	753.31	15.36	737.95
RFI-36-47	749.26	14.21	735.05
RFI-36-48	757.71	20.60	737.11
RFI-36-55	750.49	13.33	737.16
RFI-36-56	749.97	12.55	737.42
RFI-84-06R	728.54	4.16	724.38
RFI-84-06RD	720.18	6.91	713.27
RFI-84-09S	719.43	10.36	709.07
RFI-84-09D	719.27	10.19	709.08
RFI-84-12	NA	8.33	NA
RFI-94-11	719.54	8.26	711.28

Note:

Groundwater elevation relative to the National Geodetic Vertical Datum (NGVD) of 1929.

Table 3. December 2008 Field Parameter Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Well ID	Date Sampled	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTUs)	Oxidation Reduction Potential (mV)
RFI-02-24	12/4/2008	9.26	7.35	0.263	0.23	2.17	-85.4
RFI-09-14	12/2/2008	10.39	6.69	0.485	0.59	5.88	17.1
RFI-09-46	12/2/2008	10.88	7.09	2.611	0.23	0.81	-119.8
RFI-09-48	12/2/2008	11.37	8.49	3.761	0.90	0.35	-55.3
RFI-10-24	12/3/2008	10.83	6.65	0.670	1.49	1.91	48.7
RFI-10-28	12/3/2008	10.47	6.88	0.429	3.03	0.32	171.7
RFI-10-29	12/3/2008	11.28	6.69	0.392	0.74	0.63	-116.0
RFI-10-33	12/3/2008	11.74	7.62	0.267	3.26	1.83	54.7
RFI-10-35	12/3/2008	12.38	6.75	0.611	2.47	1.21	23.8
RFI-10-36	12/3/2008	10.78	6.52	0.462	5.20	0.63	54.6
RFI-17-02	12/4/2008	12.14	7.01	0.479	0.13	0.84	22.7
RFI-17-02D	12/4/2008	13.07	7.31	0.736	0.14	5.73	-92.4
RFI-36-19	12/4/2008	13.07	6.85	0.563	3.07	0.44	120.9
RFI-36-47	12/4/2008	9.63	6.50	0.884	0.67	1.32	-125.0
RFI-36-48	12/4/2008	10.56	6.25	0.471	2.21	1.17	178.7
RFI-36-55	12/4/2008	10.27	6.30	0.672	0.49	4.58	-80.1
RFI-36-56	12/4/2008	9.68	6.73	0.403	2.17	0.71	52.7
RFI-84-06R	12/3/2008	8.32	8.32	0.911	0.11	9.66	-140.5
RFI-84-06RD	12/3/2008	12.76	7.34	3.942	0.16	0.82	-72.0
RFI-84-09S	12/3/2008	13.05	7.04	0.908	0.08	NA	-128.7
RFI-84-09D	12/3/2008	13.12	7.12	1.027	0.19	13.0	-108.2
RFI-84-12	12/3/2008	12.28	7.21	0.814	0.83	9.37	-70.2
RFI-94-11	12/5/2008	12.60	6.47	3.411	0.11	2.91	-43.6

Notes:

°C = Celsius.

mg/L = milligrams per liter.

mV = millivolts.

NTUs = Nephelometric Turbidity Units.

SU = Standard Units.

mS/cm = milliSiemens per centimeter.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly 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)	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA)	RFI-02-24 04/05/05
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)	660	ND(0.0010)
1,1,2,2-Tetrachloroethane	mg/L	(ID)	(ID)	4.7	0.078 (X)	0.035	77	0.0085	12	ND(0.0010)
1,1,2-Trichloroethane	mg/L	(NA)	(ID)	21	0.33 (X)	0.005 (A)	110	0.005 (A)	17	ND(0.0010)
1,1-Dichloroethane	mg/L	380	(ID)	2,400	0.74	2.5	2,300	0.88	1,000	ND(0.0010)
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)	0.2 (I)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	(NA)	300 (S)	19	0.03	0.07 (A)	300 (S)	0.07 (A)	300 (S)	ND(0.0020)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	(NA)	(ID)	0.39	(NA)	0.0002 (A)	1.2 (S)	0.0002 (A)	1.2 (S)	ND(0.0010 J)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	(ID)	(ID)	0.025	0.0002 (X)	0.00005 (A)	15	0.00005 (A)	2.4	ND(0.0010)
1,2-Dichlorobenzene	mg/L	(NA)	160 (S)	160 (S)	0.016	0.6 (A)	160 (S)	0.6 (A)	160 (S)	ND(0.0010)
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)	9.6 (I)	ND(0.0010)
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)	16 (I)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	(ID)	(ID)	2	0.038	0.019	(ID)	0.0066	(ID)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	(NA)	(ID)	6.4	0.013	0.075 (A)	74 (S)	0.075 (A)	16	ND(0.0010)
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)	240,000 (I,S)	ND(0.030)
2-Hexanone	mg/L	(NA)	(ID)	5,200	(NA)	2.9	8,700	1	4,200	ND(0.050)
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)	20,000 (I,S)	ND(0.0010)
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)	1,000,000 (I,D,S)	ND(0.030 J)
Benzene	mg/L	68 (I)	67 (I)	11 (I)	0.2 (I,X)	0.005 (I,A)	35 (I)	0.005 (I,A)	5.6 (I)	ND(0.0010)
Bromodichloromethane	mg/L	(ID)	(ID)	14	(ID)	0.08 (A,W)	37	0.08 (A,W)	4.8	ND(0.0010)
Bromoform	mg/L	(ID)	(ID)	140	(ID)	0.08 (A,W)	3,100 (S)	0.08 (A,W)	470	ND(0.0010 J)
Bromomethane (Methyl Bromide)	mg/L	(ID)	(ID)	70	0.035	0.029	9	0.01	4	R
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)	250 (I,R)	ND(0.0050)
Carbon tetrachloride	mg/L	(ID)	96	4.6	0.045 (X)	0.005 (A)	2.4	0.005 (A)	0.37	ND(0.0010)
Chlorobenzene	mg/L	160 (I)	(ID)	86 (I)	0.047 (I)	0.1 (I,A)	470 (I,S)	0.1 (I,A)	210 (I)	ND(0.0010)
Chloroethane	mg/L	110	(ID)	440	(ID)	1.7	5,700 (S)	0.43	5,700 (S)	ND(0.0010)
Chloroform (Trichloromethane)	mg/L	(ID)	(ID)	150	0.17 (X)	0.08 (A,W)	180	0.08 (A,W)	28	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	36 (I)	210 (I)	490 (I)	(ID)	1.1 (I)	45 (I)	0.26 (I)	8.6 (I)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	530	(ID)	200	0.62	0.07 (A)	210	0.07 (A)	93	0.00080 J
cis-1,3-Dichloropropene	mg/L	--	--	--	--	--	--	--	--	ND(0.0010)
Cyclohexane	mg/L	--	--	--	--	--	--	--	--	ND(0.0010 J)
Dibromochloromethane	mg/L	(ID)	(ID)	18	(ID)	0.08 (A,W)	110	0.08 (A,W)	14	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	(ID)	(ID)	300 (S)	(ID)	4.8	300 (S)	1.7	220	ND(0.0010)
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)	110 (I)	ND(0.0010)
Isopropylbenzene	mg/L	29	(ID)	56 (S)	(ID)	2.3	56 (S)	0.8	56 (S)	ND(0.0010)
m&p-Xylene	mg/L	--	--	--	--	--	--	--	--	ND(0.0010)
Methyl acetate	mg/L	--	--	--	--	--	--	--	--	ND(0.010)
Methyl cyclohexane	mg/L	--	--	--	--	--	--	--	--	ND(0.020)
Methyl Tert Butyl Ether	mg/L	(ID)	(ID)	610	0.73 (X)	0.69 (E)	47,000 (S)	0.24 (E)	47,000 (S)	ND(0.0050 J)
Methylene chloride	mg/L	(ID)	(ID)	220	0.94 (X)	0.005 (A)	1,400	0.005 (A)	220	ND(0.0050)
o-Xylene	mg/L	--	--	--	--	--	--	--	--	ND(0.0010)
Styrene	mg/L	140	310 (S)	9.7	0.08	0.1 (A)	310 (S)	0.1 (A)	170	ND(0.0010)
Tetrachloroethene	mg/L	(ID)	200 (S)	12	0.045 (X)	0.005 (A)	170	0.005 (A)	25	ND(0.0010)
Toluene	mg/L	61 (I)	(ID)	530 (I,S)	0.14 (I)	1 (I,E)	530 (I,S)	1 (I,E)	530 (I,S)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	230	(ID)	220	1.5	0.1 (A)	200	0.1 (A)	85	ND(0.0010)
trans-1,3-Dichloropropene	mg/L	--	--	--	--	--	--	--	--	ND(0.0010)
Trichloroethene	mg/L	(ID)	1,100 (S)	22	0.2 (X)	0.005 (A)	97	0.005 (A)	15	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	(ID)	1,100 (S)	1,100 (S)	(NA)	7.3	1,100 (S)	2.6	1,100 (S)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	(ID)	170 (S)	170 (S)	0.032	170 (S)	170 (S)	170 (S)	170 (S)	ND(0.030)
Vinyl chloride	mg/L	33	(ID)	1	0.015	0.002 (A)	13	0.002 (A)	1.1	ND(0.0010)
Xylenes (total)	mg/L	70 (I)	190 (I,S)	190 (I,S)	0.035 (I)	10 (I,E)	190 (I,S)	10 (I,E)	190 (I,S)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-02-24 12/08/05	RFI-02-24 06/27/07	RFI-02-24 11/01/07	RFI-02-24 03/18/08	RFI-02-24 06/18/08	RFI-02-24 09/12/08	RFI-02-24 12/04/08	RFI-09-14 10/03/01	RFI-09-14 03/31/03	RFI-09-14 10/04/04	RFI-09-14 12/08/05
VOOC												
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)	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)	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)	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)	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)	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 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
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)	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)	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(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.025)	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 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.0010)	ND(0.0010)
Acetone	mg/L	ND(0.030) [ND(0.030)]	ND(0.020)	ND(0.020)	ND(0.020)	0.0020 J	ND(0.020)	ND(0.020 J)	ND(0.025)	0.047	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)	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)	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)	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(0.0020)	ND(0.0020)	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0020 J)	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)	ND(0.0050)	ND(0.0050 J)	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)	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)	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 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.00080 J [0.00080 J]	0.0010	0.00030 J	0.00040 J	0.0020	0.0030	0.00030 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)	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 J)	ND(0.0010)	ND(0.0050)	ND(0.0050)	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)	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)	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)	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)	ND(0.0050)	ND(0.0050)	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)	ND(0.0020)	ND(0.0020)	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)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.0010)	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)	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)	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)	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)	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 J)	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)	0.00010 J	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)	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)	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)	0.00020 J	0.00020 J	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (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)	ND(0.0010)	ND(0.0010)	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)	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)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-14 06/27/07	RFI-09-14 11/01/07	RFI-09-14 03/18/08	RFI-09-14 06/18/08	RFI-09-14 09/10/08	RFI-09-14 12/02/08	RFI-09-46 12/19/02
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 J)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0050) [ND(0.0050)]
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 J)]
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-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(0.020)	ND(0.020)	ND(0.020 J) [ND(0.020 J)]	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 J)	ND(0.050 J) [ND(0.050 J)]	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(0.010)	ND(0.010) [ND(0.010)]	ND(0.050) [ND(0.050)]
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	0.0020 J	ND(0.020)	ND(0.020 J) [ND(0.020 J)]	0.0061 J [0.0052 J]
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.70 D(GSI,IDW,RDW) [0.68 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)]	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 J) [ND(0.0010 J)]
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020 J)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	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)	ND(0.0050) [ND(0.0050)]	0.00057 J [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 J) [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 J)	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(0.0010 J)	ND(0.0010) [ND(0.0010)]	0.17 D [0.16 D]
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 J) [ND(0.0010 J)]
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) [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)]	0.0019 [0.0018]
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.017 [0.016]
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)]	0.045 [0.043]
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(0.0050) [ND(0.0050)]
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	0.049 [0.045]
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)]	0.00061 J [0.00059 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) [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)]	0.0082 [0.0078]
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)	0.00010 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.019 [0.018]
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)]
Trifluorotrchloroethane (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(0.0010) [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)]	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)]	0.053(GSI) [0.051(GSI)]

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-46 04/01/03	RFI-09-46 10/05/04	RFI-09-46 06/27/07	RFI-09-46 10/26/07	RFI-09-46 03/18/08	RFI-09-46 06/17/08	RFI-09-46 09/12/08
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	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	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(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
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(0.0020)	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-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(0.025)	ND(0.030)	ND(0.020)	ND(0.020)	0.0020 J [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 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.050)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.025)	0.060 J	ND(0.040)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.030)	ND(0.050)
Benzene	mg/L	0.50 D(GSI,IDW,RDW)	0.049 (IDW,RDW)	0.034 (IDW,RDW)	0.17 (IDW,RDW)	0.026 (IDW,RDW) [0.025 (IDW,RDW)]	0.026 (IDW,RDW)	0.076 (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)	ND(0.0010)
Bromoform	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)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0010)	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0020 J) [ND(0.0020 J)]	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 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)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	ND(0.0030)	ND(0.0040)	ND(0.013)	ND(0.0040) [ND(0.0050)]	ND(0.0060 J)	ND(0.0040 J)
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	0.16 D	0.12 J	0.098	0.14	0.085 [0.085]	0.10	0.058 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)	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)	ND(0.0010 J)
Ethylbenzene	mg/L	0.0016	0.00040 J	0.00030 J	0.00060 J	0.00040 J [0.00040 J]	0.00040 J	0.00050 J
Isopropylbenzene	mg/L	0.015	0.0090	0.0070	0.011	0.0070 [0.0070]	0.0080	0.010
m&p-Xylene	mg/L	0.038	0.016 J	0.0080	0.012	0.0070 [0.0070]	0.0080	0.010
Methyl acetate	mg/L	ND(0.0050)	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	0.048	0.040	0.030	0.040	0.030 [0.030]	0.040	0.040
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00090 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	0.0067	0.0030	0.0020	0.0040	0.0020 [0.0020]	0.0020	0.0030
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	0.016	0.0060	0.0040	0.0070	0.0040 [0.0040]	0.0040	0.0050
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)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.0010)	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	0.045(GSI)	0.019 J	0.010	0.016	0.0090 [0.0090]	0.010	0.013

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-46 12/02/08	RFI-09-48 04/24/03	RFI-09-48 10/06/04	RFI-09-48 12/08/05	RFI-09-48 11/01/06	RFI-09-48 04/23/07	RFI-09-48 06/27/07	RFI-09-48 11/01/07	RFI-09-48 03/18/08	RFI-09-48 06/17/08
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020 J)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
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)	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)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020 J)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	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)]	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(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020 J)	0.0019 J	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020 J)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
Benzene	mg/L	0.022 (IDW, RDW)	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)	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)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	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)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0010)	ND(0.0020 J)	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 J)	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)	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)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	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)	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)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0090)	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)	ND(0.0010 J)
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)	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)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	0.13	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)	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)]	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 J)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	0.00050 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)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	0.012 J	ND(0.0050)	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)
m&p-Xylene	mg/L	0.012	ND(0.0020)	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)
Methyl acetate	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	0.040	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020 J)	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)	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)	ND(0.0050)	ND(0.0050)
o-Xylene	mg/L	0.0040	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)	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)	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)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	0.0050	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00020 J	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.0010)	ND(0.030)	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)]	ND(0.0010)	ND(0.0010)	0.00030 J
Xylenes (total)	mg/L	0.016	ND(0.0020)	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)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-09-48 09/12/08	RFI-09-48 12/02/08	RFI-10-24 02/20/02	RFI-10-24 06/25/02	RFI-10-24 03/26/03	RFI-10-24 10/06/04	RFI-10-24 12/08/05	RFI-10-24 06/28/07	RFI-10-24 10/25/07	RFI-10-24 03/20/08	RFI-10-24 06/17/08	RFI-10-24 09/15/08
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020 J)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	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)	ND(0.050)	ND(0.050)	ND(0.050 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.020 J)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	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)	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)	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 J)	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(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020 J)	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)	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)	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)	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 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	0.018
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)	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)	ND(0.0010)	ND(0.0010 J)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	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)	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)	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)	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(0.0050)	ND(0.0050)	ND(0.0050)	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(0.0020)	ND(0.0020)	ND(0.0020)	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	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.0010)	ND(0.0010)	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	0.00060 J	0.00090 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)	ND(0.0010)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-24 12/03/08	RFI-10-28 12/12/02	RFI-10-28 10/06/04	RFI-10-28 12/08/05	RFI-10-28 10/25/07	RFI-10-28 03/27/08	RFI-10-28 06/18/08	RFI-10-28 09/17/08	RFI-10-28 12/03/08	RFI-10-29 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)	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)	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)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0040	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)	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)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0050)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
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)	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)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020 J)	0.011 J	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.025)
2-Hexanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050 J) [ND(0.050 J)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050 J)	ND(0.050 J)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.050)	ND(0.010) [ND(0.010)]	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.050)
Acetone	mg/L	ND(0.020 J)	0.21 J	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	0.0019 J
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)	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)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	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)	ND(0.0010 J)	ND(0.0020 J) [ND(0.0020 J)]	ND(0.0020)	ND(0.0020)	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020 J)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	0.016	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0030)	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(0.0030)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0050)	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(0.0050)
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0020)	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(0.0020)
Methyl acetate	mg/L	ND(0.010)	ND(0.0030)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0030)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.0030)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	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(0.0050) [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	0.00030 J	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)	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)	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)	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)	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)	0.00010 J	ND(0.0010)	ND(0.0010)	0.00051 J
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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.0030)	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	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)	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(0.0020)	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(0.0020)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-29 06/30/05	RFI-10-29 12/08/05	RFI-10-29 06/28/07	RFI-10-29 10/25/07	RFI-10-29 03/20/08	RFI-10-29 06/17/08	RFI-10-29 09/17/08	RFI-10-29 12/03/08	RFI-10-33 06/29/05	RFI-10-33 12/08/05
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)	0.019	0.063
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)	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)	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)	0.021	0.060
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)	0.0040	0.010 (IDW,RDW)
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)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)
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)	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)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	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 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)
Acetone	mg/L	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 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)	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)	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)	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 J)	ND(0.0020)	ND(0.0020 J)	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)	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)	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)	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 J)	ND(0.0010)	0.0040	0.0050
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)	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 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)	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)	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)	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)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	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 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)	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)	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)	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)	ND(0.010)	ND(0.010)
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)	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)	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)	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)	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)	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)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 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)	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)	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)	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)	ND(0.0010)
Trifluorotrchloroethane (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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-33 10/25/07	RFI-10-33 03/20/08	RFI-10-33 06/18/08	RFI-10-33 09/17/08	RFI-10-33 12/03/08	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	0.076 [0.076]	0.0090	0.018	0.025	0.096	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)	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)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.068 [0.073]	0.0050	0.012	0.021	0.067	0.015	0.031	0.029	0.038
1,1-Dichloroethene	mg/L	0.011 (IDW,RDW) [0.012 (IDW,RDW)]	0.0010	0.0030	0.0040	0.015 (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)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)
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)	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)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	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 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 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)	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)	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)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020 J)	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)	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)	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)	ND(0.0010)
Chloroethane	mg/L	0.0030 [0.0040]	ND(0.0010 J)	ND(0.0010 J)	0.0010 J	0.0030	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)	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)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.00040 J [0.00040 J]	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00060 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)	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)	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)	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)	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)	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)	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)	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)	ND(0.010)	ND(0.010)
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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND(0.0010)
Trifluorotrchloroethane (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)	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)	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)	0.00010 J	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-35 03/27/08	RFI-10-35 06/17/08	RFI-10-35 09/17/08	RFI-10-35 12/03/08	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-10-36 03/20/08	RFI-10-36 06/17/08
VOC											
1,1,1-Trichloroethane	mg/L	0.00090 J [0.00070 J]	0.0020	0.0060	0.013	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)	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)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.036 [0.035]	0.029	0.045	0.048	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	0.0030 [0.0030]	0.0030	0.0040	0.0050	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)	ND(0.0020)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
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)	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)	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(0.020 J)	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 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	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)	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)	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)	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 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020 J)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0090	ND(0.0010 J)	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)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010) [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)	ND(0.0010)	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	0.00020 J [0.00020 J]	ND(0.0010)	0.00020 J	0.00050 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)	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)	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)	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)	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)	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)	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)	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)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (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)	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)	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)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-10-36 09/15/08	RFI-10-36 12/03/08	RFI-17-02 10/03/01	RFI-17-02 06/09/05	RFI-17-02 12/08/05	RFI-17-02 11/01/06	RFI-17-02 04/24/07	RFI-17-02 06/26/07	RFI-17-02 10/26/07	RFI-17-02 03/18/08
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)	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)	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)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0020	0.0020	0.0020	0.0010	0.0010 J	0.00080 J	0.00070 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)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020 J)
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)	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)	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)	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)	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)	ND(0.0010)
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)	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)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020 J)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	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)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.020 J)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020 J)	R	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)	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)	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)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	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)	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)	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)	ND(0.0010)
Chloroethane	mg/L	0.0040	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)	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)	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 J)	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)	0.00010 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)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	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(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0030 J	0.0040 J	0.0030 J	0.0020 J	0.0020 J	0.0010 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)	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)	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)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	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)	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)	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)	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)	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)	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 J)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.0010)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030 J)	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)	0.00090 J	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	0.00060 J
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-17-02 06/17/08	RFI-17-02 09/10/08	RFI-17-02 12/04/08	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	RFI-17-02D 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)	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)	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)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.00080 J [0.00080 J]	0.00080 J	0.00070 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00020 J	0.00030 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)	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)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)
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)	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)	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)	ND(0.020)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050) [ND(0.050)]	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)
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(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020 J)	ND(0.030)	ND(0.030)	ND(0.020)	0.0060 J	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	0.0030	0.0030	0.0040	0.0010	0.0020	0.0040
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)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010) [ND(0.0010)]	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)	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)	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)	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)	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)	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)	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)	ND(0.010)	ND(0.010)
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)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	0.00040 J [0.00040 J]	0.00030 J	0.00030 J	0.0030 J	0.0030 J	0.0020 J	0.00090 J	0.0010 J	0.00070 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)	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)	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)	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)	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)	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)	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)	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)	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)	ND(0.0010)
Trifluorotrchloroethane (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)	ND(0.030)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0020	ND(0.0010)	0.0020	0.0030 (IDW,RDW)
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)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-17-02D 03/18/08	RFI-17-02D 06/17/08	RFI-17-02D 09/10/08	RFI-17-02D 12/04/08	RFI-36-19 09/28/01	RFI-36-19 10/06/04	RFI-36-19 12/08/05	RFI-36-19 06/26/07	RFI-36-19 10/30/07
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)	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)	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)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.00050 J	0.00080 J	0.00090 J [0.0010 J]	0.00090 J	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)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020 J)	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-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 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)	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)	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)	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)	ND(0.0010)
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)	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)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	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)	ND(0.050)	ND(0.050 J) [ND(0.050 J)]	ND(0.050 J)	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(0.010)	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020 J)	ND(0.025)	ND(0.030)	ND(0.030)	R	ND(0.020)
Benzene	mg/L	0.0010	0.031 (IDW,RDW)	0.072 (IDW,RDW) [0.071 (IDW,RDW)]	0.13 (IDW,RDW)	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)	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)	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(0.0010)	ND(0.0020 J)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010 J)	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)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	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 J)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.0030	0.0040	0.0040 [0.0040]	0.0040	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)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0050)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)	R	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)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	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(0.0010)	ND(0.0020)	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(0.0050)	ND(0.010 J)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020 J)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	0.00070 J	0.00050 J	0.00050 J [0.00060 J]	0.00050 J	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)	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)	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)	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)	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)	0.00010 J
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.00020 J	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)	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)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0032	0.00080 J	ND(0.0010)	ND(0.0010 J)	0.0030 J
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.030)	ND(0.0010)	ND(0.030)	ND(0.030)	ND(0.030 J)	ND(0.030)
Vinyl chloride	mg/L	0.0010	0.0020	0.0010 [0.0020]	0.0020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-19 03/20/08	RFI-36-19 06/18/08	RFI-36-19 09/17/08	RFI-36-19 12/04/08	RFI-36-47 12/13/02	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
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)	0.19	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(0.010)	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(0.010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0085	0.0040	0.0060	0.56	0.0030	0.014
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)	0.070 (IDW,RDW)	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(0.0020)	ND(0.020)	ND(0.0020)	ND(0.0020)
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(0.010)	ND(0.0010)	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)	ND(0.0010)	ND(0.0010)	ND(0.010)	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(0.010)	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(0.010)	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(0.010)	ND(0.0010)	ND(0.0010)
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(0.010)	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(0.010)	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 J)	ND(0.025)	ND(0.025)	ND(0.030)	ND(0.30)	ND(0.020)	ND(0.020)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)	ND(0.050 J)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.50)	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(0.050)	ND(0.050)	ND(0.0010)	ND(0.010 J)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	0.0013 J	ND(0.025)	ND(0.030)	ND(0.30)	ND(0.020 J)	R
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(0.010)	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(0.010)	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(0.010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020)	ND(0.0010 J)	ND(0.0010)	ND(0.0020)	ND(0.020)	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(0.050)	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 J)	ND(0.0010)	ND(0.010)	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(0.010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.12	ND(0.0010)	ND(0.0010 J)
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(0.010)	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)	ND(0.010)	ND(0.0010)	ND(0.0010 J)
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)	0.010	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(0.010)	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(0.0050)	ND(0.0010)	ND(0.010)	ND(0.0010 J)	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)	ND(0.010)	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)	ND(0.010)	ND(0.0010)	R
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(0.010)	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(0.0050)	ND(0.0010)	ND(0.010)	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(0.0020)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)
Methyl acetate	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0030)	ND(0.0050)	ND(0.010)	ND(0.10)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0030)	ND(0.0010 J)	ND(0.020)	ND(0.20)	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(0.050)	ND(0.0050)	0.00020 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(0.050)	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(0.010)	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(0.010)	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(0.010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)	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)	ND(0.010)	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(0.010)	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(0.010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane (CFC-11)	mg/L	0.0020	0.0020	0.0020	0.0020	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010 J)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0030)	ND(0.0010)	ND(0.030)	ND(0.30)	ND(0.030)	ND(0.030 J)
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)	0.020 (IDW,RDW)	ND(0.0010)	ND(0.0010 J)
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-47 10/30/07	RFI-36-47 03/20/08	RFI-36-47 06/19/08	RFI-36-47 09/18/08	RFI-36-47 12/04/08	RFI-36-48 12/13/02	RFI-36-48 02/28/05
VOC								
1,1,1-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.12	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) [ND(0.0010)]
1,1,2-Trichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.00030 J	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	mg/L	0.019 [0.017]	0.010	0.012 [0.011]	0.11	0.012	ND(0.0010)	0.0030 [0.0020]
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.031 (IDW,RDW)	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(0.0050)	ND(0.0020) [ND(0.0020)]
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) [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) [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) [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) [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) [ND(0.0010)]
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)	0.00077 J	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) [ND(0.0010)]
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020 J)	ND(0.025)	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 J)	ND(0.050 J)	ND(0.050)	ND(0.050 J) [ND(0.050 J)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.010) [ND(0.010)]
Acetone	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020 J)	0.0017 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)]	0.00030 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)	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)	ND(0.0010) [ND(0.0010)]
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0020 J)	ND(0.0020 J) [ND(0.0020 J)]	ND(0.0020 J)	ND(0.0020)	ND(0.0010 J)	R [R]
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) [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) [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) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010 J) [ND(0.0010 J)]	0.026 J	ND(0.0010)	ND(0.0010)	0.0020 [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 J) [ND(0.0010 J)]
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 J)	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)]	0.0050	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) [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(0.0030)	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) [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)	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) [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(0.0050)	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(0.0020)	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(0.0030)	ND(0.010) [ND(0.010)]
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(0.0030)	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)]	0.00040 J	ND(0.0050)	ND(0.0050)	0.00020 J [0.00030 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)	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) [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) [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) [ND(0.0010)]
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00010 J [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.00086 J	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)]	0.00040 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)	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) [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) [ND(0.0010)]
Trifluorotrchloroethane (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(0.0030)	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)]	0.0030 (IDW,RDW)	ND(0.0010)	ND(0.0010)	0.0050 (IDW,RDW) [0.0060 (IDW,RDW)]
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(0.0020)	ND(0.0010) [ND(0.0010)]

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-48 06/10/05	RFI-36-48 12/09/05	RFI-36-48 09/30/07	RFI-36-48 03/20/08	RFI-36-48 06/19/08	RFI-36-48 09/17/08
VOC							
1,1,1-Trichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]	0.00020 J	0.00060 J	0.00090 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	0.0020	0.17 [0.18]	0.025 [0.024]	0.017	0.027	0.027
1,1-Dichloroethene	mg/L	ND(0.0010)	0.0050 [0.0050]	0.00060 J [0.00060 J]	0.00090 J	0.0020	0.0020
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-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-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(0.030)]	ND(0.020 J) [ND(0.020 J)]	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 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.010 J) [ND(0.010 J)]	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.030)	ND(0.030) [ND(0.030)]	ND(0.020 J) [ND(0.020 J)]	ND(0.020)	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 J)	ND(0.0020 J)	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)	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)	0.0050 [0.0060]	ND(0.0010) [ND(0.0010)]	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010 J)
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 J) [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)	0.00020 J	0.00020 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) [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)	ND(0.0010) [ND(0.0010)]	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)]	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	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010 J) [ND(0.010 J)]	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020 J) [ND(0.020 J)]	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	0.0040 J [0.0040 J]	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 J) [ND(0.0050 J)]	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)
Trifluorotrchloroethane (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	0.0040 (IDW,RDW)	0.064 (IDW,RDW) [0.064 (IDW,RDW)]	0.0030 (IDW,RDW) [0.0030 (IDW,RDW)]	0.0030 (IDW,RDW)	0.0020	0.0030 (IDW,RDW)
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)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-36-48 12/04/08	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-36-55 03/20/08	RFI-36-55 06/18/08	RFI-36-55 09/17/08	RFI-36-55 12/04/08	RFI-36-56 07/21/05	RFI-36-56 12/09/05
VOC												
1,1,1-Trichloroethane	mg/L	0.0030	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)	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)	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)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.016	ND(0.0010)	ND(0.0010)	0.0020	0.0020	0.013	0.033	0.045	0.061	0.0040	0.0050
1,1-Dichloroethene	mg/L	0.0040	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)	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)	ND(0.0020)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
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)	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)	ND(0.0010)	ND(0.0010)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020 J)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.030)	ND(0.030)
2-Hexanone	mg/L	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 J)	ND(0.050 J)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)
Acetone	mg/L	ND(0.020 J)	ND(0.030)	ND(0.030)	0.0070 J	0.0050 J	ND(0.020)	0.0030 J	ND(0.020)	ND(0.020 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)	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)	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)	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 J)	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020 J)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010 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)	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 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	0.00040 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)	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)	ND(0.0010)	ND(0.0010)
Cyclohexane	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)	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)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	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	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 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	ND(0.0010)	0.00020 J	ND(0.0010)	0.0010	0.00090 J	0.00030 J	0.00030 J	0.00060 J	0.00070 J	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)	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)	ND(0.010)	ND(0.010)	ND(0.010)
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)	ND(0.020)	ND(0.020)	ND(0.020)
Methyl Tert Butyl Ether	mg/L	ND(0.0050)	ND(0.0050)	0.0010 J	0.00020 J	0.00040 J	0.00030 J	ND(0.0050)	0.00030 J	0.00040 J	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)	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)	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)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	mg/L	ND(0.0010)	0.0010 J	ND(0.0010)	ND(0.0010)	0.00020 J	0.0050	0.0060 (IDW,RDW)	0.0050	0.00050 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)	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)	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)	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)	0.00030 J	0.00080 J
Trichlorofluoromethane (CFC-11)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030)	ND(0.030)	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)	ND(0.030)
Vinyl chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	0.00090 J	0.00060 J	ND(0.0010)	0.00020 J	0.0010 J	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly 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-36-56 03/20/08	RFI-36-56 06/18/08	RFI-36-56 09/17/08	RFI-36-56 12/04/08	RFI-84-06R 04/02/03	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	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00020 J	0.00040 J	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)	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)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.0040	0.0040	0.00030 J	0.0030	0.0080	0.0070	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00040 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)	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(0.0050)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
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)	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)	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(0.020)	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)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)
Acetone	mg/L	R	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.025)	ND(0.030)	ND(0.030)	ND(0.020)	0.010 J
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)	0.0030	0.0050
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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane (Methyl Bromide)	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020 J)	ND(0.0020)	ND(0.0010)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	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)
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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	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)	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)	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)	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(0.0050)	ND(0.0010)	ND(0.0010)	0.00030 J	0.00040 J
m&p-Xylene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	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(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.020)	ND(0.020)	ND(0.020)	0.00030 J
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)	0.00030 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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J	0.00010 J	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)	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)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	0.00050 J	0.00050 J	ND(0.0010)	0.00020 J	0.00070 J	0.00040 J	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (Freon 113)	mg/L	ND(0.030 J)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.0010)	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)	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(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly 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-84-06R 03/17/08	RFI-84-06R 06/17/08	RFI-84-06R 09/10/08	RFI-84-06R 12/03/08	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
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)	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)	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)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	mg/L	0.00080 J	0.00070 J	0.00050 J	0.00070 J	0.00080 J	0.00070 J	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)	ND(0.0010)	ND(0.0010)
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020 J)	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-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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
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)	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)	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(0.020)	ND(0.020 J)	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 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	0.0040 J	ND(0.020)	0.0040 J	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.020 J)	ND(0.020)
Benzene	mg/L	0.0070 (IDW,RDW)	0.0010	0.0060 (IDW,RDW)	0.0040	0.0020	0.0020	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)	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)	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)	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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010 J)	ND(0.0010)	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)	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)	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 J)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	0.0020 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	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)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane (CFC-12)	mg/L	R	ND(0.0010)	ND(0.0010)	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)
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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	0.00080 J	0.00020 J	0.00030 J	0.00040 J	0.00030 J	0.00030 J	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)	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(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	0.00070 J	ND(0.020)	ND(0.020 J)	0.00030 J	0.00020 J	0.00030 J	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (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)	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)	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)	ND(0.0010)	ND(0.0010)	0.00010 J

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-06RD 10/26/07	RFI-84-06RD 03/17/08	RFI-84-06RD 06/17/08	RFI-84-06RD 09/10/08	RFI-84-06RD 12/03/08	RFI-84-09D 07/22/05	RFI-84-09D 12/08/05	RFI-84-09D 11/01/06	RFI-84-09D 04/24/07
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) [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) [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) [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) [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) [ND(0.0010)]
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020 J)	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-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) [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) [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) [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) [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) [ND(0.0010)]
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) [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) [ND(0.0010)]
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	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 J)	ND(0.050 J)	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(0.010)	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.010) [ND(0.010)]
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.030)	ND(0.030)	ND(0.020)	0.0090 J [0.010 J]
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) [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) [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)	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)	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) [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) [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) [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)	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) [ND(0.0010)]
Chloromethane (Methyl Chloride)	mg/L	ND(0.0010)	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) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0040	0.0040	0.0040	0.0030 [0.0030]
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) [ND(0.0010)]
Cyclohexane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	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 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)	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 J)	ND(0.0010)	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)	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)	ND(0.0010) [ND(0.0010)]
m&p-Xylene	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)	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)	ND(0.010) [ND(0.010)]
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020 J)	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)	0.0020 J	0.0030 J	0.0030 J	0.0020 J [0.0020 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)	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) [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) [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) [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) [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)	0.00020 J [0.00020 J]
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) [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) [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) [ND(0.0010)]
Trifluorotrchloroethane (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)	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)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW) [0.0030 (IDW,RDW)]
Xylenes (total)	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)	ND(0.0010) [ND(0.0010)]

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-84-09D 06/28/07	RFI-84-09D 10/26/07	RFI-84-09D 03/18/08	RFI-84-09D 06/17/08	RFI-84-09D 09/11/08	RFI-84-09D 12/03/08	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)	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)	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 J)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
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-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(0.020)	ND(0.020)	ND(0.020 J)	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 J)	ND(0.050 J)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	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)	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)	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)	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)	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)	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 J)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.0040	0.0030	0.0030	0.0030	0.0030	0.0040	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)	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)	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)	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)	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(0.0010)	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)	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)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	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	0.0020 J	0.0010 J	0.0010 J	0.0010 J	0.0010 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)	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	0.00020 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)
trans-1,2-Dichloroethene	mg/L	0.00020 J	0.00010 J	0.00010 J	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)	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)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (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)	ND(0.030)
Vinyl chloride	mg/L	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0020	0.0030 J (IDW,RDW)	ND(0.0010)	ND(0.0010)	ND(0.0010)
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)	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly 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-84-09S 03/17/08	RFI-84-09S 06/17/08	RFI-84-09S 09/11/08	RFI-84-09S 12/03/08	RFI-84-12 12/03/08	RFI-94-11 04/07/05	RFI-94-11 12/08/05	RFI-94-11 06/28/07	RFI-94-11 11/02/07
VOOC													
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)	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)	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)	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)	0.00030 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)	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 J)	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-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 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)	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)	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)	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)	0.0010	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
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)	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)	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(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020 J)	ND(0.020 J)	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 J)	ND(0.050 J)	ND(0.050 J)	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(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	mg/L	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020 J)	ND(0.020 J)	ND(0.030 J)	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)	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)	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)	ND(0.0010 J)	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)	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)	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)	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)	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)	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)	0.00020 J	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)	0.00030 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)
cis-1,2-Dichloroethene	mg/L	0.00030 J	0.00050 J	0.00080 J	0.00040 J	0.00040 J	0.00060 J	0.00080 J	0.00030 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)	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(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	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)	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isopropylbenzene	mg/L	ND(0.0010)	ND(0.0010)	0.00020 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)	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)	ND(0.0010)	ND(0.0010)	0.00020 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)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl cyclohexane	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	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)	0.00050 J	0.00040 J	0.00030 J	0.00020 J	0.00050 J	0.00060 J	0.0010 J	ND(0.0050 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)	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)	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)	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)	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)	0.001	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)	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	0.00050 J	0.00040 J	0.00020 J	ND(0.0010)	0.00010 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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trifluorotrchloroethane (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)	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)	0.00040 J	0.0020 J	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)	ND(0.0010)	ND(0.0010)	0.00020 J	ND(0.0010)

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

Location ID: Date Collected:	Units	RFI-94-11 03/27/08	RFI-94-11 06/19/08	RFI-94-11 09/12/08	RFI-94-11 12/05/08
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	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)]
1,2,4-Trichlorobenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
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-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(0.020)	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 J)	ND(0.050 J) [ND(0.050 J)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J) [ND(0.020 J)]
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	ND(0.0020 J)	ND(0.0020 J)	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	ND(0.0010 J)	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)]
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 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)]
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)]
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	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)]
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 J) [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)]
Trifluorotrchloroethane (Freon 113)	mg/L	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)]
Xylenes (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]

See Notes on Page 24.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

General Notes:

Samples were collected by ARCADIS BBL., and submitted 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.

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

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
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} = GSI criterion is pH or water hardness dependent. The Final Chronic Value (FCV) for the protection of aquatic life must be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of ug/L (ppb). The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 X GSI and the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly Groundwater Monitoring Program, General Motors Corporation, NAO Flint Operations Site - Flint, Michigan

MDEQ Criteria Qualifiers (Cont'd.):

Hazardous Substance	FCV Formula ug/L	FCV Conversion Factor (CF)	WV ug/L	HNDV ug/L
Barium*	EXP(1.0629*(LnH)+1.1869)	NA	NA	1.6E+5
Beryllium	EXP(2.5279*(LnH)-10.7689)	NA	NA	1,200
Cadmium ²	(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 ²	(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 ^f	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 (e^x).

LnH = The natural logarithm of water hardness in mg CaCC₂/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>.

{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 indicated 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

Table 4. December 2008 and Historical Groundwater Analytical Data, CA 750 Quarterly 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)
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
Ethylene dibromide	106934	0.05 (M); 0.006	20 (M); 1.0
Ethylene glyco	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
Pentachloropheno	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

ARCADIS

Attachment 1

Data Validation Report



MEMORANDUM

TO: Derek Kaiding [Derek.Kaiding@arcadis-us.com] REF. NO.: 017307-195021

FROM: Kathleen Willy/bjw/6 *kw* DATE: January 20, 2009

C.C. JoAnn Robertson [joann.robertson@arcadis-us.com] E-Mail and Hard Copy if Requested

RE: **Data Quality Assessment and Validation
Site Investigation
General Motors NAO Flint Operations
Flint, Michigan
December 2008**

The following details a quality assessment and validation of the analytical data resulting from the collection of 23 water samples, one (1) trip blank, and two (2) field duplicate samples from the General Motors Site (Site) in Flint, Michigan during December 2008. 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) "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.

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.

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 with the exception of some VOCs which 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 the analytes of interest.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

In accordance with the methods employed, all samples, blanks, and standards analyzed for VOCs 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 some high VOC recoveries. The associated positive sample results were qualified as estimated (see Table 4). Non-detect samples results would not have been impacted by the implied high bias.

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 with the exception of some variability in styrene recoveries. 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, 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 one (1) trip blank and two (2) 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 a low concentration of toluene. Associated toluene results with concentrations similar to those found in the trip blank were qualified as non-detect (see Table 6). Associated results that were either non-detect or significantly greater than the concentrations found in the trip blank 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 with the qualifications noted.

TABLE 1
 SAMPLE COLLECTION AND ANALYSIS SUMMARY
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

Sample ID	Location ID	Collection Date (mm/dd/yy)	Collection Time (hr:min)	Analysis/Parameters		Comments
				TCL	VOCs	
RFI-09-46(12/2/08)	RFI-09-46	12/02/08	11:45	X		
RFI-09-14(12/2/08)	RFI-09-14	12/02/08	15:40	X		
RFI-09-48(12/2/08)	RFI-09-48	12/02/08	14:40	X		MS/MSD
DUPE-1(12/2/08)	RFI-09-14	12/02/08	15:40	X		Field duplicate of sample RFI-09-14(12/2/08)
RFI-84-09D(12/3/08)	RFI-84-09D	12/03/08	9:50	X		
RFI-10-28(12/3/08)	RFI-10-28	12/03/08	10:50	X		
RFI-10-33(12/3/08)	RFI-10-33	12/03/08	11:55	X		
RFI-84-12(12/3/08)	RFI-84-12	12/03/08	12:00	X		
RFI-10-29(12/3/08)	RFI-10-29	12/03/08	13:00	X		
RFI-84-09S(12/3/08)	RFI-84-09S	12/03/08	13:35	X		
RFI-10-35(12/3/08)	RFI-10-35	12/03/08	14:00	X		
RFI-84-06RD(12/3/08)	RFI-84-06RD	12/03/08	14:55	X		
RFI-10-36(12/3/08)	RFI-10-36	12/03/08	15:00	X		
RFI-84-06R(12/3/08)	RFI-84-06R	12/03/08	15:50	X		
RFI-10-24(12/3/08)	RFI-10-24	12/03/08	15:55	X		
RFI-36-47(12/4/08)	RFI-36-47	12/04/08	10:05	X		
RFI-36-19(12/4/08)	RFI-36-19	12/04/08	11:00	X		
RFI-36-48(12/4/08)	RFI-36-48	12/04/08	11:10	X		
RFI-36-55(12/4/08)	RFI-36-55	12/04/08	12:05	X		
RFI-17-02D(12/4/08)	RFI-17-02D	12/04/08	12:15	X		
RFI-17-02(12/4/08)	RFI-17-02	12/04/08	13:20	X		
RFI-36-56(12/4/08)	RFI-36-56	12/04/08	13:45	X		
RFI-02-24(12/4/08)	RFI-02-24	12/04/08	15:00	X		
RFI-94-11(12/5/08)	RFI-94-11	12/05/08	10:55	X		MS/MSD Trip Blank
TB-1(12/5/08)	TRIPBLANK	12/05/08	-	X		Field duplicate of sample RFI-94-11(12/5/08)
DUPE-02(12/5/08)	RFI-94-11	12/05/08	10:55	X		

Notes:

MS Matrix Spike.

MSD Matrix Spike Duplicate.

TCL Target Compound List.

VOCs Volatile Organic Compounds.

TABLE 2
SUMMARY OF ANALYTICAL METHODOLOGIES
SITE INVESTIGATION
GENERAL MOTORS NAO FLINT OPERATIONS
FLINT, MICHIGAN
DECEMBER 2008

<i>Parameter</i>	<i>Method</i>
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 OUTFLYING CONTINUING CALIBRATION RESULTS
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

Parameter	Calibration Date	Compound	%D	Associated Sample ID	Qualified Sample Results	Units
VOCs	12/10/08	Acetone	35	Dupe-1(12/2/08)	20 UJ	µg/L
				RFI-09-14(12/2/08)	20 UJ	µg/L
				RFI-09-46(12/2/08)	20 UJ	µg/L
				RFI-09-48(12/2/08)	20 UJ	µg/L
				RFI-10-24(12/3/08)	20 UJ	µg/L
				RFI-10-28(12/3/08)	20 UJ	µg/L
				RFI-10-29(12/3/08)	20 UJ	µg/L
				RFI-10-33(12/3/08)	20 UJ	µg/L
				RFI-10-35(12/3/08)	20 UJ	µg/L
				RFI-10-36(12/3/08)	20 UJ	µg/L
				RFI-36-19(12/4/08)	20 UJ	µg/L
				RFI-36-47(12/4/08)	20 UJ	µg/L
				RFI-36-48(12/4/08)	20 UJ	µg/L
				RFI-84-06R(12/3/08)	20 UJ	µg/L
				RFI-84-06RD(12/3/08)	20 UJ	µg/L
				RFI-84-09D(12/3/08)	20 UJ	µg/L
RFI-84-09S(12/3/08)	20 UJ	µg/L				
RFI-84-12(12/3/08)	20 UJ	µg/L				
VOCs	12/10/08	2-Butanone	27	Dupe-1(12/2/08)	20 UJ	µg/L
				RFI-09-14(12/2/08)	20 UJ	µg/L
				RFI-09-46(12/2/08)	20 UJ	µg/L
				RFI-09-48(12/2/08)	20 UJ	µg/L
				RFI-10-24(12/3/08)	20 UJ	µg/L
				RFI-10-28(12/3/08)	20 UJ	µg/L
				RFI-10-29(12/3/08)	20 UJ	µg/L
				RFI-10-33(12/3/08)	20 UJ	µg/L
				RFI-10-35(12/3/08)	20 UJ	µg/L
				RFI-10-36(12/3/08)	20 UJ	µg/L
RFI-36-19(12/4/08)	20 UJ	µg/L				

TABLE 3
 QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

Parameter	Calibration Date	Compound	%D	Associated Sample ID	Qualified Sample Results	Units
VOCs	12/10/08	2-Butanone	27	RFI-36-47(12/4/08)	20 UJ	µg/L
				RFI-36-48(12/4/08)	20 UJ	µg/L
				RFI-84-06R(12/3/08)	20 UJ	µg/L
				RFI-84-06RD(12/3/08)	20 UJ	µg/L
				RFI-84-09D(12/3/08)	20 UJ	µg/L
				RFI-84-09S(12/3/08)	20 UJ	µg/L
				RFI-84-12(12/3/08)	20 UJ	µg/L
				RFI-84-12(12/3/08)	20 UJ	µg/L
VOCs	12/10/08	2-Hexanone	36	Dupe-1(12/2/08)	50 UJ	µg/L
				RFI-09-14(12/2/08)	50 UJ	µg/L
				RFI-09-46(12/2/08)	50 UJ	µg/L
				RFI-09-48(12/2/08)	50 UJ	µg/L
				RFI-10-24(12/3/08)	50 UJ	µg/L
				RFI-10-28(12/3/08)	50 UJ	µg/L
				RFI-10-29(12/3/08)	50 UJ	µg/L
				RFI-10-33(12/3/08)	50 UJ	µg/L
				RFI-10-35(12/3/08)	50 UJ	µg/L
				RFI-10-36(12/3/08)	50 UJ	µg/L
				RFI-36-19(12/4/08)	50 UJ	µg/L
				RFI-36-47(12/4/08)	50 UJ	µg/L
				RFI-36-48(12/4/08)	50 UJ	µg/L
				RFI-84-06R(12/3/08)	50 UJ	µg/L
RFI-84-06RD(12/3/08)	50 UJ	µg/L				
RFI-84-09D(12/3/08)	50 UJ	µg/L				
RFI-84-09S(12/3/08)	50 UJ	µg/L				
RFI-84-12(12/3/08)	50 UJ	µg/L				
VOCs	12/11/08	Acetone	39	Dupe-02(12/5/08)	20 UJ	µg/L
				RFI-02-24(12/4/08)	20 UJ	µg/L
				RFI-17-02(12/4/08)	20 UJ	µg/L

TABLE 3
 QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

Parameter	Calibration Date	Compound	%D	Associated Sample ID	Qualified Sample Results	Units
VOCs	12/11/08	Acetone	39	RFI-17-02D(12/4/08)	20 UJ	µg/L
				RFI-36-55(12/4/08)	20 UJ	µg/L
				RFI-36-56(12/4/08)	20 UJ	µg/L
				RFI-94-11(12/5/08)	20 UJ	µg/L
VOCs	12/11/08	2-Hexanone	29	Dupe-02(12/5/08)	50 UJ	µg/L
				RFI-02-24(12/4/08)	50 UJ	µg/L
				RFI-17-02(12/4/08)	50 UJ	µg/L
				RFI-17-02D(12/4/08)	50 UJ	µg/L
				RFI-36-55(12/4/08)	50 UJ	µg/L
				RFI-36-56(12/4/08)	50 UJ	µg/L
RFI-94-11(12/5/08)	50 UJ	µg/L				

Notes:

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
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

Parameter	Compound	LCS Date	Associated Sample ID	LCS %Rec	LCS %Rec	RPD (percent)	Control Limits		Qualified Sample Results	Units	
							%Rec	%RPD			
VOCs	Vinyl chloride	12/10/08	RFI-09-48(12/2/08)	134	130	3	54 - 121	25	0.9 *	µg/L	
			RFI-84-09D(12/3/08)						3 J	µg/L	
			RFI-84-09S(12/3/08)							0.4 *	µg/L
			RFI-84-12(12/3/08)							2 J	µg/L
VOCs	Isopropyl benzene	12/10/08	RFI-09-46(12/2/08)	124	125	1	78 - 121	25	12 J	µg/L	
			RFI-84-06R(12/3/08)							0.3 *	µg/L
VOCs	Vinyl chloride	12/11/08	RFI-17-02D(12/4/08)	123	119	4	54 - 121	25	2 J	µg/L	
			RFI-36-55(12/4/08)							1 J	µg/L
VOCs	Isopropyl benzene	12/11/08	RFI-36-55(12/4/08)	119	127	7	78 - 121	25	0.7 *	µg/L	

Notes:

- * Previously qualified as estimated.
- J Estimated.
- LCS Laboratory Control Sample.
- LCS/D Laboratory Control Sample Duplicate.
- RPD Relative Percent Difference.
- VOCs Volatile Organic Compounds.

TABLE 5
 QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

Parameter	Associated Sample ID	Analyte	MS Recovery (percent)	MSD Recovery (percent)	RPD	Control Limits		Qualified Sample Result	Units
						Recovery (percent)	RPD (percent)		
VOCs	RFL-94-11(12/5/08)	Styrene	34	84	84	76 - 120	25	1 UJ	µg/L

Notes:

- MS Matrix Spike.
- MSD Matrix Spike Duplicate.
- RPD Relative Percent Difference.
- UJ Not detected, estimated reporting limit.
- VOCs Volatile Organic Compounds.

TABLE 6
 QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
 SITE INVESTIGATION
 GENERAL MOTORS NAO FLINT OPERATIONS
 FLINT, MICHIGAN
 DECEMBER 2008

<i>Parameter</i>	<i>Blank Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Associated Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
VOCs	12/05/08	Toluene	0.1J	RFL-84-095(12/3/08)	1 U	µg/L

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

ARCADIS

Attachment 2

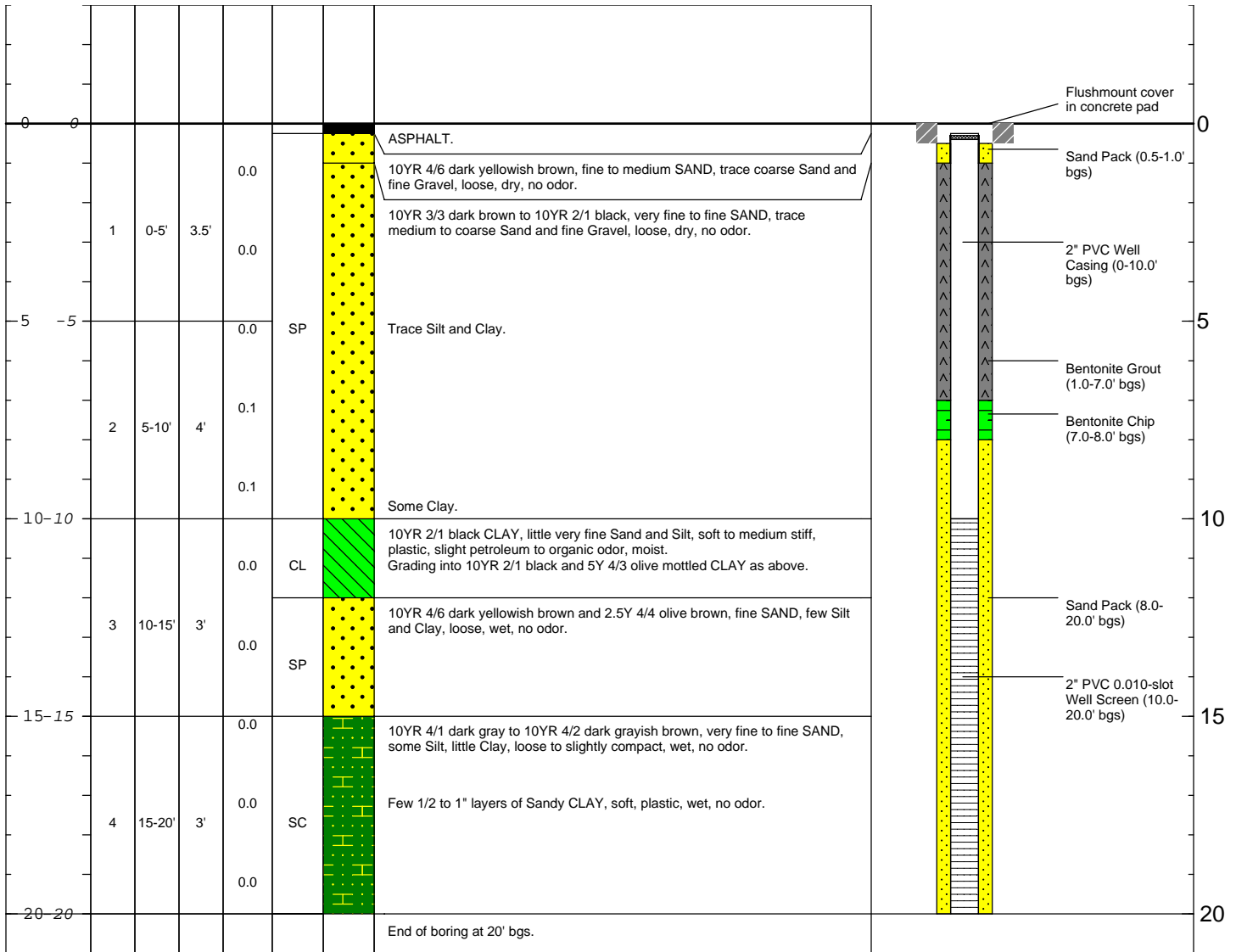
Monitoring Well Construction Log
for RFI-84-12

Date Start/Finish: 11/24/08
Drilling Company: CRA World
Driller's Name: Jason Hushman
Drilling Method: Direct Push
Sampler Size: 5' acetate liner

Northing: NA
Easting: NA
Casing Elevation: NA
Borehole Depth: 20' bgs
Surface Elevation: NA
Descriptions By: Beth Lindblade

Boring ID: RFI-84-12
Client: General Motors Corporation
Location: GM Flint NAO
 Flint, Michigan

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Boring Construction
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Remarks: NA = not applicable/ not available
 bgs = below ground surface



Attachment 3

Proposed Groundwater Monitoring
Plan; Revised CMP Table 5-1;
Revised CMP Figures 5-1 and 5-2

Table 5-1. Proposed Revised Groundwater Monitoring Plan, Corrective Measures Proposal, General Motors Corporation, NAO Flint Operations, Flint, Michigan

Well I.D.	Onsite/ Offsite	CA 750 Monitoring Location (Groundwater Sampling)	Analytical Constituents To Be Monitored	Previous Monitoring Purpose	Constituents Previously Detected in Groundwater at Concentrations Above Drinking Water Criteria	Monitoring Date of Constituent(s) of Concern								Rationale
						2001	2002	2003	2004	2005	2006	2007	2008	
RFI-02-14	onsite		NA	Monitor LNAPL in AOI-02B.	NA									Monitor LNAPL presence/absence/thickness in AOI-02B annually for two years following initiation of CMP to document plume stability.
RFI-02-15	onsite		NA	Monitor LNAPL in AOI-02B.	NA									Monitor LNAPL presence/absence/thickness in AOI-02B annually for two years following initiation of CMP to document plume stability.
RFI-02-17	onsite		NA	Monitor LNAPL in AOI-02B.	NA									Monitor LNAPL presence/absence/thickness in AOI-02B annually for two years following initiation of CMP to document plume stability.
RFI-02-18	onsite		NA	Monitor LNAPL in AOI-02B.	NA									Monitor LNAPL presence/absence/thickness in AOI-02B annually for two years following initiation of CMP to document plume stability.
RFI-02-19	onsite		NA	Monitor LNAPL in AOI-02B.	None					April (VOCs)				Monitor LNAPL presence/absence/thickness in AOI-02B annually for two years following initiation of CMP to document plume stability.
43-166	onsite		VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-05-1 and 05-6).	As	September	December							Upon USEPA's approval of the shutdown of the recovery systems, monitoring well will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.
43-167	onsite		VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-05-1 and 05-6).	As	September								Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOI 05-1 will be monitored and groundwater will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.
43-168	onsite		NA	Monitor LNAPL downgradient of AOI-05-1 and 05-6 following LNAPL recovery system shutdown.	None	September	December							Upon USEPA's approval of the shutdown of the recovery systems, LNAPL thickness/absence/thickness downgradient of AOI-05-1 and 5-6 will be monitored semi-annually for two years, to document plume stability.
RFI-09-53	onsite	X	VOCs	Monitoring VOC source area in AOI 09A.	TCE, 1,1,1-TCA, VC					April and June	November	November	September	Vinyl chloride concentration increased from 0.005 ppm in 2007 to 0.023 ppm in 2008; therefore, additional monitoring will be performed annually at this well until future vinyl chloride concentrations are stable for two consecutive monitoring events.
31-8	onsite		NA	Monitor LNAPL downgradient of AOI-09-B.	Benzene, ethylbenzene, Pb	September	June							Upon USEPA's approval of the LNAPL recovery activities, LNAPL presence/absence/thickness downgradient of AOI 09-B will be monitored annually for two years, to document plume stability.
RFI-09-09	onsite		VOCs	monitoring location at downgradient edge of LNAPL impacted area (AOI-09-B).	None	September	June	March						Upon USEPA's approval of the LNAPL recovery activities for AOI 09-B, monitoring well will be sampled annually for two years, to document plume stability.
RFI-09-44	onsite		NA	Monitor LNAPL downgradient of AOI-09-B.	None			March	October					Upon USEPA's approval of the LNAPL recovery activities, LNAPL presence/absence/thickness downgradient of AOI-09-B will be monitored annually for two years, to document plume stability.
RFI-09-45R	onsite		NA	Monitor LNAPL downgradient of AOI-09-B.	None		December							Upon USEPA's approval of the LNAPL recovery activities, LNAPL presence/absence/thickness downgradient of AOI-09-B will be monitored annually for two years, to document plume stability.
RFI-09-52	onsite		NA	Monitor LNAPL downgradient of AOI-09-B.	None			September						Upon USEPA's approval of the LNAPL recovery activities, LNAPL presence/absence/thickness downgradient of AOI-09-B will be monitored annually for two years, to document plume stability.
RFI-03-04	onsite		VOCs	Monitoring VOC concentrations downgradient of LNAPL plume (AOI-10-1 and 10-4)	As	September						November (VOCs)		Monitoring well will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events upon USEPA's approval of the shutdown of the recovery systems to document plume stability. Arsenic was detected at concentrations above the drinking water criteria, however, the extent has been defined by downgradient monitoring points.
20-FP10R (replaces 20-FP10)	onsite	X	VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-10-1 and 10-4).	Benzene	September	February				November (VOCs)	October (20-FP10R) VOCs	September (20-FP10R) VOCs	Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOIs 10-1 and 10-4 will be monitored and groundwater will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.
20-145	onsite		NA	Monitor LNAPL downgradient of AOI-10-1 and 10-4 following LNAPL recovery system shutdown.	VC	September	June							Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOI-10-1 and 10-4 will be monitored semi-annually for two years, to document plume stability.
20-165	onsite		NA	Monitor LNAPL downgradient of AOI-10-1 and 10-4 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOI-10-1 and 10-4 will be monitored semi-annually for two years, to document plume stability.
20-FP11R	onsite		NA	Monitor LNAPL downgradient of AOI-10-1 and 10-4 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOIs10-1 and 10-4 will be monitored semi-annually for two years, to document plume stability.
20-FP-9R	onsite		NA	Monitor LNAPL downgradient of AOI-10-1 and 10-4 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOIs10-1 and 10-4 will be monitored semi-annually for two years, to document plume stability.
RFI-36-09	onsite		VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-36-5) and benzene concentrations in AOI-36-5.	None	September						April (VOCs)		Upon USEPA's approval of the shutdown of the recovery systems, and the lining of the adjacent sewer line, LNAPL presence/absence/thickness downgradient of AOIs 36-1 and 36-5 will be monitored and groundwater will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.

See Notes on Page 3.

Table 5-1. Proposed Revised Groundwater Monitoring Plan, Corrective Measures Proposal, General Motors Corporation, NAO Flint Operations, Flint, Michigan

Well I.D.	Onsite/ Offsite	CA 750 Monitoring Location (Groundwater Sampling)	Analytical Constituents To Be Monitored	Previous Monitoring Purpose	Constituents Previously Detected in Groundwater at Concentrations Above Drinking Water Criteria	Monitoring Date of Constituent(s) of Concern								Rationale
						2001	2002	2003	2004	2005	2006	2007	2008	
RFI-36-07	onsite		NA	Monitor LNAPL in AOI-36-1.	NA									Upon USEPA's approval of the LNAPL recovery activities, LNAPL presence/absence/thickness downgradient of AOI-36-1 will be monitored annually for two years, to document plume stability.
RFI-36-19	offsite	X	VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-36-2).	None	September			October	December (VOCs)		June and October (VOCs)	March June September	Upon USEPA's approval of the shutdown of the recovery systems groundwater downgradient of AOIs 36-1 and 36-2 will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.
RFI-36-37	offsite	X	VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-36-2).	VC and Benzene	September	June			June (VOCs)		June and October (VOCs)	March June September	Upon USEPA's approval of the shutdown of the recovery systems groundwater downgradient of AOIs 36-1 and 36-2 will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.
20-100	onsite		VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-36-5) and benzene concentrations in AOI-36-5.	None	September								Upon USEPA's approval of the shutdown of the recovery systems, and the lining of the adjacent sewer line, LNAPL presence/absence/thickness downgradient of AOI 36-5 will be monitored and groundwater will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability.
20-500R	onsite	X	VOCs	Monitoring downgradient site conditions	Benzene						November	October	September	Benzene was detected at a concentration above drinking water criteria in November 2006. The benzene concentration increased in 2007, and went back down below drinking water criteria in 2008. This well will be monitored annually until future benzene concentrations are stable for two consecutive monitoring events.
20-501	onsite		NA	Monitor LNAPL downgradient of AOI-36-5 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, and the lining of the adjacent sewer line, LNAPL presence/absence/thickness downgradient of AOI 36-5 will be monitored and groundwater will be sampled semi-annually for two years, to document plume stability.
20-506	onsite		NA	Monitor LNAPL downgradient of AOI-36-5 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, and the lining of the adjacent sewer line, LNAPL presence/absence/thickness downgradient of AOI 36-5 will be monitored and groundwater will be sampled semi-annually for two years, to document plume stability.
RFI-36-13	onsite		NA	Monitor LNAPL downgradient of AOI-36-5 following LNAPL recovery system shutdown.	TCE and VC	November	June							Upon USEPA's approval of the shutdown of the recovery systems, and the lining of the adjacent sewer line, LNAPL presence/absence/thickness downgradient of AOI 36-5 will be monitored and groundwater will be sampled semi-annually for two years, to document plume stability.
RFI-36-14	onsite	X	VOCs	Monitoring location at downgradient edge of LNAPL impacted area (AOI-36-5).	Be and Ni	October	June		October		November (VOCs)	October (VOCs)	September	Upon USEPA's approval of the shutdown of the recovery systems, and the lining of the adjacent sewer line, groundwater downgradient of AOI 36-5 will be sampled semi-annually until VOC concentrations are stable or below drinking water criteria for two consecutive monitoring events, to document plume stability. Beryllium concentrations have been below drinking water criteria for the last three monitoring events and nickel concentrations have been below drinking water criteria for the last four monitoring events.
RFI-81-45	onsite		NA	Monitor LNAPL downgradient of AOI-81-1 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOI-81-1 will be monitored semi-annually for two years, to document plume stability.
70-164	offsite		NA	Monitor LNAPL downgradient of AOI-81-1 following LNAPL recovery system shutdown.	NA									Upon USEPA's approval of the shutdown of the recovery systems, LNAPL presence/absence/thickness downgradient of AOI-81-1 will be monitored semi-annually for two years, to document plume stability.
70-165	onsite		VOCs and Pb	Monitoring lead concentrations in AOI-81-02	Pb	September	June (Pb)	March (Pb)	October			October (VOCs and Pb)	September	Lead concentrations increased from 0.0023 ppm in June 2002 to 0.055 ppm October 2004. Monitoring well will be sampled annually until lead concentrations are stable or decreasing for two consecutive monitoring events. Although not part of the CA 750 groundwater monitoring program, this well was sampled in fall 2007 for lead and concentrations of lead were consistent with historical results. Upon USEPA's approval of the shutdown of the recovery systems, monitoring well will be sampled annually until VOCs are stable or decreasing for two consecutive monitoring events, to document plume stability.
RFI-81-50	onsite	X	VOCs and Pb	Monitoring lead concentrations in AOI-81-02 and monitoring location downgradient of LNAPL plume.	None						November (VOCs)	October (VOCs and Pb)	September	Upon USEPA's approval of the shutdown of the recovery systems, monitoring well will be sampled semi-annually until VOC concentrations are stable or decreasing for two consecutive monitoring events, to document plume stability. Monitoring well will be sampled annually for lead until the concentrations are stable or decreasing for two consecutive monitoring events. Downgradient monitoring point for monitoring well 70-165 which has increasing concentrations of lead. Although not part of the CA 750 monitoring program for lead analysis, this well was sampled from lead in fall 2007 and lead was not detected.
RFI-81-51	onsite		VOCs	Monitoring conditions downgradient of AOI-81-50.	cis 1,2 DCE and VC					April (VOCs)		October (VOCs)	September	Monitoring well will be sampled annually for VOCs until concentrations of VOCs are stable or decreasing for two consecutive monitoring events. Although not part of the CA 750 groundwater monitoring program, this well was sampled in fall 2007 for VOCs and the results were consistent with historical concentrations.

See Notes on Page 3.

Table 5-1. Proposed Revised Groundwater Monitoring Plan, Corrective Measures Proposal, General Motors Corporation, NAO Flint Operations, Flint, Michigan

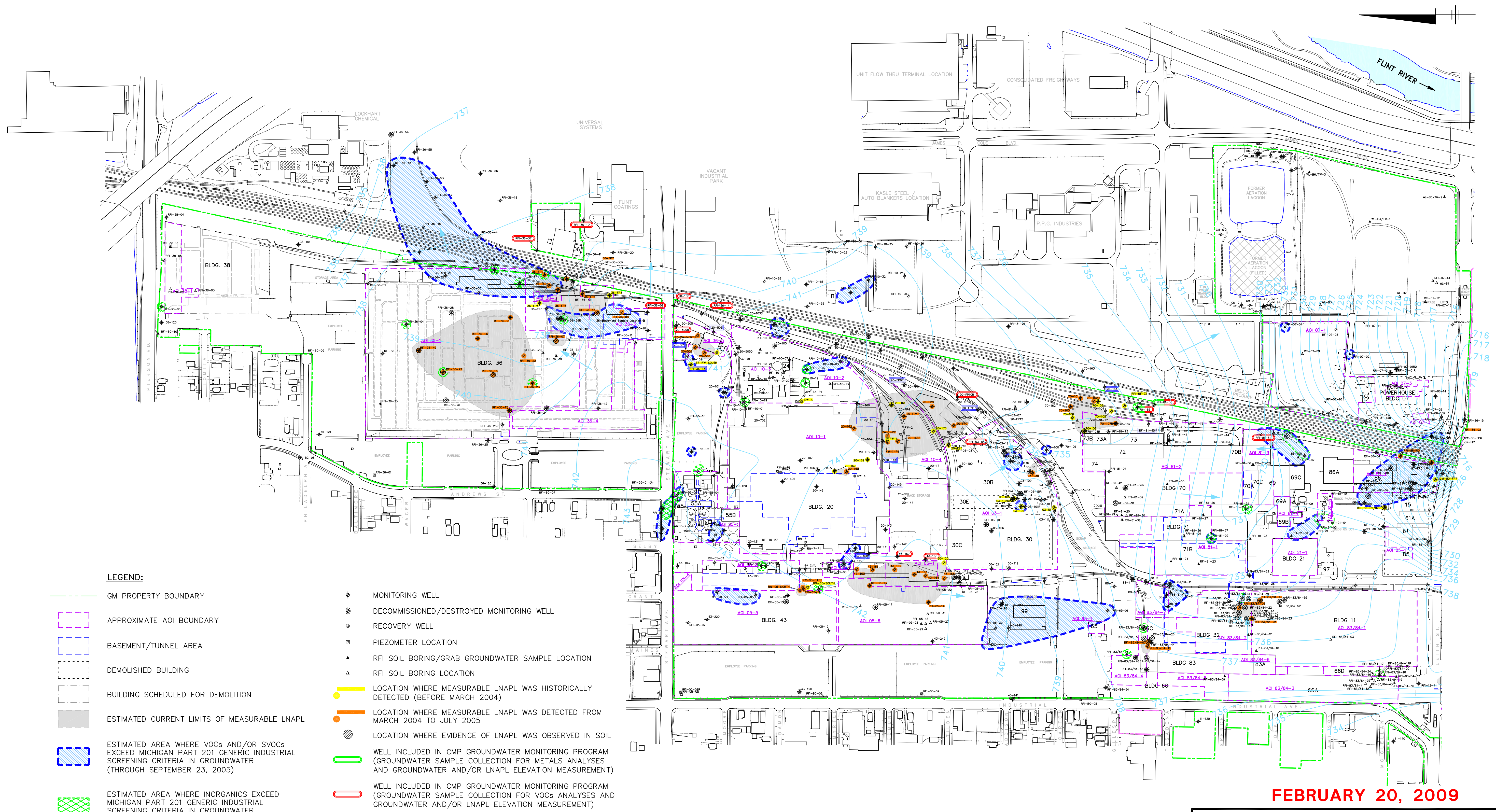
Well I.D.	Onsite/ Offsite	CA 750 Monitoring Location (Groundwater Sampling)	Analytical Constituents To Be Monitored	Previous Monitoring Purpose	Constituents Previously Detected in Groundwater at Concentrations Above Drinking Water Criteria	Monitoring Date of Constituent(s) of Concern								Rationale
						2001	2002	2003	2004	2005	2006	2007	2008	
RFI-17-02D	onsite	X	VOCs	Monitoring vinyl chloride concentrations in AOI 84-D.	VC					July and December	November	April June October	March June September	Benzene was detected above drinking water criteria in June 2008, and then increased in September 2008. This well will be monitored annually until future benzene concentrations are stable for two consecutive monitoring events.
RFI-84-12	onsite		VOCs	Monitoring benzene concentrations downgradient of AOI-84D.	Benzene								December	Benzene was detected above drinking water criteria at monitoring well RFI-17-02D in June 2008, and then increased in September 2008. Monitoring well RFI-84-12 was installed downgradient, and was sampled for VOCs in December 2008. This well will be monitored annually until future benzene concentrations are stable for two consecutive monitoring events.

Notes:

Ag = silver
 As = Arsenic
 Be = Beryllium
 CN = cyanide
 Pb = Lead
 Ni = Nickel

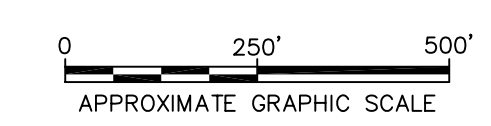
AOI = Area of Interest
 CMP = Corrective Measures Proposal
 LNAPL = light nonaqueous phase liquid
 USEPA = United States Environmental Protection Agency
 GSI = Groundwater Surface Water Interface Part 201 Criteria
 TSCA = Toxic Substances Control Act
 ppm = parts per million

1. Groundwater/Surface Water (GSI) criteria compared to samples located within 500 feet of the Flint River.
2. The following monitoring wells had exceedances of the GSI criteria: RFI-09-46 (xylene) and RFI-84-06R (Ag and Cyanide).
3. All monitoring wells included in the program will be checked for the presence/absence/thickness of LNAPL.
4. NA; Not applicable, LNAPL monitoring location.



LEGEND:

- GM PROPERTY BOUNDARY
- APPROXIMATE AOI BOUNDARY
- BASEMENT/TUNNEL AREA
- DEMOLISHED BUILDING
- BUILDING SCHEDULED FOR DEMOLITION
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- ESTIMATED AREA WHERE VOCs AND/OR SVOCs EXCEED MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA IN GROUNDWATER (THROUGH SEPTEMBER 23, 2005)
- ESTIMATED AREA WHERE INORGANICS EXCEED MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA IN GROUNDWATER (THROUGH SEPTEMBER 23, 2005)
- + MONITORING WELL
- ⊕ DECOMMISSIONED/DESTROYED MONITORING WELL
- RECOVERY WELL
- ⊞ PIEZOMETER LOCATION
- ▲ RFI SOIL BORING/GRAB GROUNDWATER SAMPLE LOCATION
- ▲ RFI SOIL BORING LOCATION
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED (BEFORE MARCH 2004)
- LOCATION WHERE MEASURABLE LNAPL WAS DETECTED FROM MARCH 2004 TO JULY 2005
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- WELL INCLUDED IN CMP GROUNDWATER MONITORING PROGRAM (GROUNDWATER SAMPLE COLLECTION FOR METALS ANALYSES AND GROUNDWATER AND/OR LNAPL ELEVATION MEASUREMENT)
- WELL INCLUDED IN CMP GROUNDWATER MONITORING PROGRAM (GROUNDWATER SAMPLE COLLECTION FOR VOCs ANALYSES AND GROUNDWATER AND/OR LNAPL ELEVATION MEASUREMENT)
- LNAPL MONITORING LOCATION ONLY
- GENERALIZED GROUNDWATER FLOW DIRECTION
- OCTOBER 2007 GROUNDWATER ELEVATION CONTOUR (IN FEET)



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.
3. ESTIMATED LIMITS OF MEASURABLE LNAPL BASED ON MEASUREMENTS FROM MARCH 2004 TO JULY 2005.

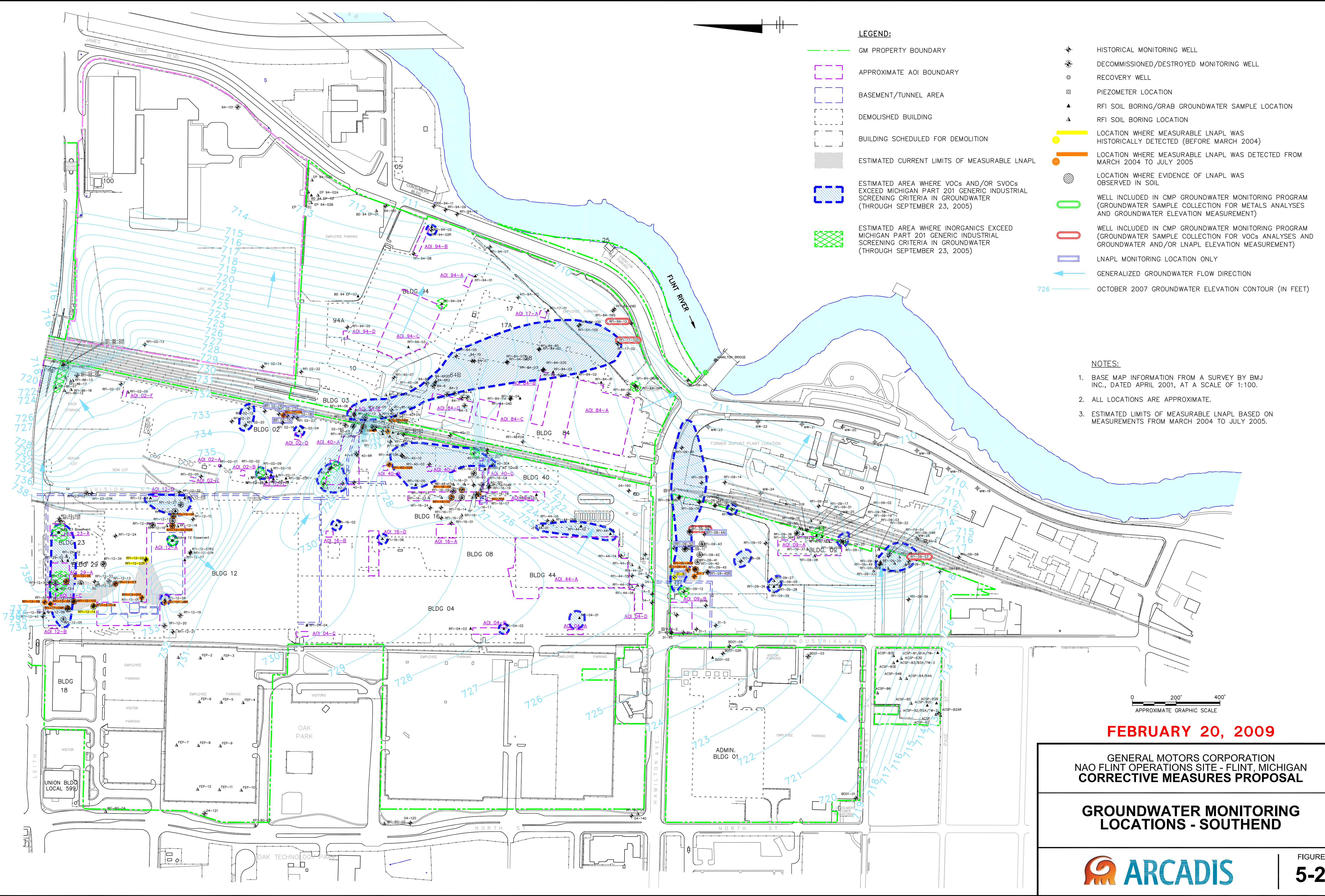
FEBRUARY 20, 2009

**GENERAL MOTORS CORPORATION
 NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
 CORRECTIVE MEASURES PROPOSAL**

**GROUNDWATER MONITORING
 LOCATIONS - NORTHEND**

ARCADIS

FIGURE
5-1

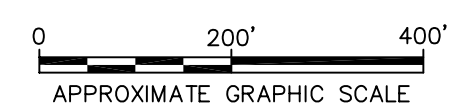


LEGEND:

- GM PROPERTY BOUNDARY
- APPROXIMATE AOI BOUNDARY
- BASEMENT/TUNNEL AREA
- DEMOLISHED BUILDING
- BUILDING SCHEDULED FOR DEMOLITION
- ESTIMATED CURRENT LIMITS OF MEASURABLE LNAPL
- ESTIMATED AREA WHERE VOCs AND/OR SVOCs EXCEED MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA IN GROUNDWATER (THROUGH SEPTEMBER 23, 2005)
- ESTIMATED AREA WHERE INORGANICS EXCEED MICHIGAN PART 201 GENERIC INDUSTRIAL SCREENING CRITERIA IN GROUNDWATER (THROUGH SEPTEMBER 23, 2005)
- ⊕ HISTORICAL MONITORING WELL
- ⊕ DECOMMISSIONED/DESTROYED MONITORING WELL
- ⊙ RECOVERY WELL
- ⊗ PIEZOMETER LOCATION
- ▲ RFI SOIL BORING/GRAB GROUNDWATER SAMPLE LOCATION
- ▲ RFI SOIL BORING LOCATION
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED (BEFORE MARCH 2004)
- LOCATION WHERE MEASURABLE LNAPL WAS DETECTED FROM MARCH 2004 TO JULY 2005
- ⊙ LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- WELL INCLUDED IN CMP GROUNDWATER MONITORING PROGRAM (GROUNDWATER SAMPLE COLLECTION FOR METALS ANALYSES AND GROUNDWATER ELEVATION MEASUREMENT)
- WELL INCLUDED IN CMP GROUNDWATER MONITORING PROGRAM (GROUNDWATER SAMPLE COLLECTION FOR VOCs ANALYSES AND GROUNDWATER AND/OR LNAPL ELEVATION MEASUREMENT)
- LNAPL MONITORING LOCATION ONLY
- GENERALIZED GROUNDWATER FLOW DIRECTION
- OCTOBER 2007 GROUNDWATER ELEVATION CONTOUR (IN FEET)

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.
3. ESTIMATED LIMITS OF MEASURABLE LNAPL BASED ON MEASUREMENTS FROM MARCH 2004 TO JULY 2005.



FEBRUARY 20, 2009

**GENERAL MOTORS CORPORATION
 NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN
 CORRECTIVE MEASURES PROPOSAL**

**GROUNDWATER MONITORING
 LOCATIONS - SOUTHEND**



FIGURE
5-2