BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Transmitted via Electronic Mail and First Class Mail

February 10, 2006

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

Re: Results of Quarterly Groundwater Sampling Event – December 2005
GM NAO Flint Operations Site, Flint, Michigan
BBL Project #: 64410 #2.04

Dear Ms. Moore:

On behalf of Kurt Blizzard, of the General Motors Corporation (GM), Blasland, Bouck & Lee, Inc. (BBL) is submitting this report as follow up to GM's Migration of Contaminated Groundwater Under Control Environmental Indicator (CA 750 EI) Report, submitted to you on September 23, 2005, for its North American Operations (NAO) Flint Operations Site in Flint, Michigan (the Site). This Report presents the results of the first round of quarterly groundwater monitoring, performed in December 2005 per Section 2.7 of the CA 750 EI Report.

The remainder of this report summarizes the work performed, the data collected, and follow-up activities recommended in response to the December 2005 data (to be performed during the next quarterly round of sampling in March 2006).

The CA 750 EI Report, prepared by ENVIRON International Corporation (ENVIRON), included a groundwater monitoring plan, consisting of quarterly and annual groundwater sampling components and LNAPL monitoring and groundwater elevation monitoring activities. The first quarterly groundwater monitoring event was completed on December 8 and 9, 2005, and included a total of 21 monitoring wells. All of the monitoring wells included in the quarterly sampling plan were sampled except MW-23. Monitoring well MW-23 was not sampled because the monitoring well is located on an off-Site property, and a renewed access agreement is currently being negotiated with the property owner. A second monitoring well, RFI-09-14, is located on the same off-Site property; however, a sample was collected at that location despite GM having no current access agreement, due to a miscommunication with field personnel. These two wells will be monitored as part of the overall program once a renewed access agreement with the property owner is obtained. In the meantime, monitoring well RFI-09-48, which is located down-gradient of the two off-Site wells, will continue to be monitored.

All of the monitoring wells were sampled using low-flow sampling methods in accordance with the Field Sampling Plan (FSP). 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 (Table 1). Each well was purged until stability of the measured field parameters was reached. Field-measured parameter data, which are summarized in Table 2, include temperature, specific electrical conductivity, dissolved oxygen (DO), oxidation/reduction potential (ORP), pH, and turbidity. Groundwater samples were submitted to Merit

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Analytical Laboratories, as described in the FSP, and analyzed using the procedures specified in the Quality Assurance Project Plan (QAPP) for Project Analyte List volatile organic compounds (VOCs). The analytical results were validated as specified in the QAPP by Conestoga-Rovers & Associates (CRA), and the data validation report is provided as Attachment 1.

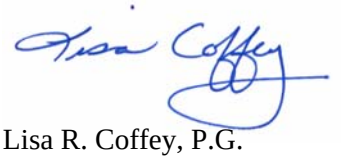
The analytical results, summarized in Table 3, were generally consistent with historical ranges at all locations, with the exception of three monitoring wells: RFI-84-09D, RFI-36-47, and RFI-36-48. At monitoring well RFI-84-09D, which is located down-gradient of former Building 84, the concentration of vinyl chloride increased to 0.003 milligrams per liter (mg/L) from a non-detectable level of less than 0.001 mg/L in July 2005. This monitoring well will be sampled again in March 2006, and the data will be reviewed to monitor for the presence of any trends in the data.

Down-gradient of Factory 36, the concentration of vinyl chloride increased to 0.064 mg/L from a concentration of 0.004 mg/L detected in June 2005 at off-Site monitoring well RFI-36-48. Vinyl chloride was also detected for the first time along with several other chlorinated VOCs at monitoring well RFI-36-47. Due to the unexpected increase in the concentration of vinyl chloride detected in these two monitoring wells, additional groundwater monitoring actions in this area are proposed. Monitoring wells RFI-36-47 and RFI-36-48 will be re-sampled as part of the next quarterly groundwater sampling event, and in addition monitoring wells 36-101, RFI-36-17, RFI-36-45 RFI-36-46, RFI-36-53, and RFI-36-44 will also be sampled for VOCs. Figure 1 shows the monitoring wells in this portion of the Site that are proposed for inclusion in the March 2006 sampling event. Groundwater elevation measurements will also be collected at the monitoring wells present in this area of the Site to gain additional information regarding the direction of groundwater flow. The results of the additional groundwater sampling will be included in the next quarterly sampling report.

If you have any questions, please contact me.

Sincerely,

BLASLAND, BOUCK & LEE, INC.



Lisa R. Coffey, P.G.
Senior Geologist II/Associate

LRC/plf
Attachments

cc: Kurt Blizzard, GM
Jean Caufield, GM
Dawn Cleary, GM
Michelle Fisher, GM
Peter Quackenbush, MDEQ
William Yocum, MDEQ
Stephen Song, ENVIRON
Derek Kaiding, BBL
Robert Anderson, BBL
Flint Public Library, c/o Derek Kaiding (BBL)

TABLE 1
DECEMBER 2005 GROUNDWATER ELEVATION DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Well ID	Measuring Point Elevation (feet)	12/8/05-12/9/05	
		Depth to Water (feet)	Groundwater Elevation
RFI-02-24	729.88	1.36	728.52
RFI-09-14	724.44	4.97	719.47
RFI-09-48	719.88	10.55	709.33
RFI-10-24	751.53	11.93	739.60
RFI-10-28	754.69	14.07	740.62
RFI-10-29	752.40	14.24	738.16
RFI-10-33	755.30	14.22	741.08
RFI-10-35	755.69	16.17	739.52
RFI-10-36	752.82	13.85	738.97
RFI-17-02	720.27	5.12	715.15
RFI-17-02D	720.36	5.09	715.27
RFI-36-19	753.31	15.59	737.72
RFI-36-47	749.26	15.45	733.81
RFI-36-48	757.71	21.45	736.26
RFI-36-55	750.49	14.09	736.40
RFI-36-56	749.97	13.09	736.88
RFI-84-06R	728.54	6.10	722.44
RFI-84-06RD	720.18	6.90	713.28
RFI-84-09D	719.27	8.60	710.67
RFI-84-09S	719.43	9.76	709.67
RFI-94-11	719.54	8.00	711.54

Note:
Groundwater elevation relative to the NGVD of 1929.

TABLE 2
DECEMBER 2005 FIELD PARAMETER RESULTS

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Well ID	Date Sampled	pH (SU)	Temperature (ºC)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
RFI-02-24	12/8/2005	7.4	7.61	0.363	0.9	18	7.55
RFI-09-14	12/8/2005	5.94	10.35	0.669	3.59	148.5	19.6
RFI-09-48	12/8/2005	7.75	13.2	4.714	0.71	-48.5	2.72
RFI-10-24	12/8/2005	6.98	11.3	0.885	3.35	-27.7	0.36
RFI-10-28	12/8/2005	7.02	11.32	0.89	2.42	39.8	0.24
RFI-10-29	12/8/2005	6.97	11.1	0.697	1.83	-58.1	0.2
RFI-10-33	12/8/2005	6.9	12.34	0.846	4.07	-24.2	0.18
RFI-10-35	12/8/2005	7.01	11.89	21.34	4.04	56.7	0.28
RFI-10-36	12/8/2005	7.02	10.59	1.076	3.63	88.5	0.2
RFI-17-02	12/8/2005	6.93	14.13	1.157	0.61	106.3	8.76
RFI-17-02D	12/8/2005	7.16	8.54	13.69	0.68	3.1	8.37
RFI-36-19	12/8/2005	6.85	13.3	1.34	3.21	-18.6	0.05
RFI-36-47	12/9/2005	8.25	9.68	2.701	0.85	-218.7	11.7
RFI-36-48	12/9/2005	8.32	8.46	4.259	0.58	-41.7	2.11
RFI-36-55	12/9/2005	6.94	8.36	2.042	0.48	10.7	19.9
RFI-36-56	12/9/2005	7.04	10.49	0.986	1.5	16.4	3.4
RFI-84-06R	12/8/2005	8.53	11.47	2.479	0.31	49.8	11.29
RFI-84-06RD	12/8/2005	7.84	14.62	11.13	0.21	-102.3	4.32
RFI-84-09D	12/8/2005	7.44	12.7	2.685	0.34	-64.9	8.13
RFI-84-09S	12/8/2005	7.28	14.32	2.321	0.29	-85.3	2.32
RFI-94-11	12/8/2005	6.77	9.64	4.894	0.48	64.1	4.99

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

TABLE 3
DECEMBER 2005 AND HISTORICAL GROUNDWATER ANALYTICAL DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

	GENERIC MDEQ CRITERIA								RFI-02-24		RFI-09-14			
Sample ID:	Flammability and Explosivity Screening Level	Acute Inhalation Screening Level	Groundwater Contact Criteria	Groundwater Surface Water Interface	Industrial & Commercial II, III & IV Drinking Water Criteria	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria	Residential & Commercial I Drinking Water Criteria	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria						
Date Collected:	(FE)	(GAI)	(GCC)	(GSI)	(IDW)	(IGVIA)	(RDW)	(RGVIA)	04/05/05	12/08/05	10/03/01	03/31/03	10/04/04	12/08/05
VOLATILE ORGANIC COMPOUNDS (mg/L)														
1,1,1-Trichloroethane	{ID}	1,300 {S}	1,300 {S}	0.2	0.2 {A}	1,300 {S}	0.2 {A}	660	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2,2-Tetrachloroethane	{ID}	{ID}	4.7	0.078 {X}	0.035	77	0.0085	12	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2-Trichloroethane	{NA}	{ID}	21	0.33 {X}	0.005 {A}	110	0.005 {A}	17	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethane	380	{ID}	2,400	0.74	2.5	2,300	0.88	1,000	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethene	97 {I}	140 {I}	11 {I}	0.065 {I,X}	0.007 {I,A}	1.3 {I}	0.007 {I,A}	0.2 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2,4-Trichlorobenzene	{NA}	300 {S}	19	0.03	0.07 {A}	300 {S}	0.07 {A}	300 {S}	0.0020 U	0.0020 U [0.0020 U]	0.0050 U	0.0050 U	0.0020 U	0.0020 U
1,2-Dibromo-3-chloropropane (DBCP)	{NA}	{ID}	0.39	{NA}	0.0002 {A}	1.2 {S}	0.0002 {A}	1.2 {S}	0.0010 UJ	0.0010 U [0.0010 U]	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U
1,2-Dibromoethane (Ethylene Dibromide)	{ID}	{ID}	0.025	0.0002 {X}	0.00005 {A}	15	0.00005 {A}	2.4	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichlorobenzene	{NA}	160 {S}	160 {S}	0.016	0.6 {A}	160 {S}	0.6 {A}	160 {S}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloroethane	2,500 {I}	{ID}	19 {I}	0.36 {I,X}	0.005 {I,A}	59 {I}	0.005 {I,A}	9.6 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloropropane	550 {I}	2,800 {I,S}	16 {I}	0.29 {I,X}	0.005 {I,A}	36 {I}	0.005 {I,A}	16 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,3-Dichlorobenzene	{ID}	{ID}	2	0.038	0.019	{ID}	0.0066	{ID}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,4-Dichlorobenzene	{NA}	{ID}	6.4	0.013	0.075 {A}	74 {S}	0.075 {A}	16	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
2-Butanone (Methyl Ethyl Ketone)	{ID}	240,000 {I,S}	240,000 {I,S}	2.2 {I}	38 {I}	240,000 {I,S}	13 {I}	240,000 {I,S}	0.030 U	0.030 U [0.030 U]	0.025 U	0.025 U	0.030 U	0.030 U
2-Hexanone	{NA}	{ID}	5,200	{NA}	2.9	8,700	1	4,200	0.050 U	0.050 U [0.050 U]	0.050 U	0.050 U	0.050 U	0.050 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	{ID}	20,000 {I,S}	13,000 {I}	{ID}	5.2 {I}	20,000 {S}	1.8 {I}	20,000 {I,S}	0.0010 U	0.0010 U [0.0010 U]	0.050 U	0.050 U	0.0010 U	0.0010 U
Acetone	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}	0.030 UJ	0.030 U [0.030 U]	0.025 U	0.047	0.030 U	0.030 U
Benzene	68 {I}	67 {I}	11 {I}	0.2 {I,X}	0.005 {I,A}	35 {I}	0.005 {I,A}	5.6 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromodichloromethane	{ID}	{ID}	14	{ID}	0.08 {A,W}	37	0.08 {AW}	4.8	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromoform	{ID}	{ID}	140	{ID}	0.08 {A,W}	3,100 {S}	0.08 {AW}	470	0.0010 UJ	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
Bromomethane (Methyl Bromide)	{ID}	{ID}	70	0.035	0.029	9	0.01	4	R	0.0020 U [0.0020 U]	0.0010 U	0.0010 U	0.0020 UJ	0.0020 U
Carbon disulfide	13 {I,R}	{ID}	1,200 {I,R,S}	{ID}	2.3 {I,R}	550 {I,R}	0.8 {I,R}	250 {I,R}	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U
Carbon tetrachloride	{ID}	96	4.6	0.045 {X}	0.005 {A}	2.4	0.005 {A}	0.37	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chlorobenzene	160 {I}	{ID}	86 {I}	0.047 {I}	0.1 {I,A}	470 {I,S}	0.1 {I,A}	210 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloroethane	110	{ID}	440	{ID}	1.7	5,700 {S}	0.43	5,700 {S}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
Chloroform (Trichloromethane)	{ID}	{ID}	150	0.17 {X}	0.08 {A,W}	180	0.08 {A,W}	28	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloromethane (Methyl Chloride)	36 {I}	210 {I}	490 {I}	{ID}	1.1 {I}	45 {I}	0.26 {I}	8.6 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,2-Dichloroethene	530	{ID}	200	0.62	0.07 {A}	210	0.07 {A}	93	0.00080 J	0.00080 J [0.00080 J]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	- -	- -	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Cyclohexane	- -	- -	- -	- -	- -	- -	- -	- -	0.0010 UJ	0.0010 U [0.0010 U]	0.0050 U	0.0050 U	0.0010 U	0.0010 U
Dibromochloromethane	{ID}	{ID}	18	{ID}	0.08 {A,W}	110	0.08 {A,W}	14	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Dichlorodifluoromethane (CFC-12)	{ID}	{ID}	300 {S}	{ID}	4.8	300 {S}	1.7	220	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Ethylbenzene	43 {I}	170 {I,S}	170 {I,S}	0.018 {I}	0.7 {I,E}	170 {I,S}	0.7 {I,E}	110 {I}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Isopropylbenzene	29	{ID}	56 {S}	{ID}	2.3	56 {S}	0.8	56 {S}	0.0010 U	0.0010 U [0.0010 U]	0.0050 U	0.0050 U	0.0010 U	0.0010 U
m&p-Xylene	- -	- -	- -	- -	- -	- -	- -	- -	0.0010 U	0.0010 U [0.0010 U]	0.0020 U	0.0020 U	0.0010 U	0.0010 U
Methyl acetate	- -	- -	- -	- -	- -	- -	- -	- -	0.010 U	0.010 U [0.010 U]	0.0050 U	0.0050 U	0.010 U	0.010 U
Methyl cyclohexane	- -	- -	- -	- -	- -	- -	- -	- -	0.020 U	0.020 U [0.020 U]	0.0010 U	0.0010 U	0.020 U	0.020 U
Methyl Tert Butyl Ether	{ID}	{ID}	610	0.73 {X}	0.69 {E}	47,000 {S}	0.24 {E}	47,000 {S}	0.0050 UJ	0.0050 U [0.0050 U]	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Methylene chloride	{ID}	{ID}	220	0.94 {X}	0.005 {A}	1,400	0.005 {A}	220	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U	0.0050 U	0.0050 U
o-Xylene	- -	- -	- -	- -	- -	- -	- -	- -	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Styrene	140	310 {S}	9.7	0.08	0.1 {A}	310 {S}	0.1 {A}	170	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Tetrachloroethene	{ID}	200 {S}	12	0.045 {X}	0.005 {A}	170	0.005 {A}	25	0.0010 U	0.0010 U [0.0010 U]	0.0010 UJ	0.0010 U	0.0010 U	0.0010 U
Toluene	61 {I}	{ID}	530 {I,S}	0.14 {I}	1 {I,E}	530 {I,S}	1 {I,E}	530 {I,S}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,2-Dichloroethene	230	{ID}	220	1.5	0.1 {A}	200	0.1 {A}	85	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	- -	- -	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichloroethene	{ID}	1,100 {S}	22	0.2 {X}	0.005 {A}	97	0.005 {A}	15	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichlorofluoromethane (CFC-11)	{ID}	1,100 {S}	1,100 {S}	{NA}	7.3	1,100 {S}	2.6	1,100 {S}	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trifluorotrichloroethane (Freon 113)	{ID}	170 {S}	170 {S}	0.032	170 {S}	170 {S}	170 {S}	170 {S}	0.030 U	0.030 U [0.030 U]	0.0010 U	0.0010 U	0.030 U	0.030 U
Vinyl chloride	33	{ID}	1	0.015	0.002 {A}	13	0.002 {A}	1.1	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Xylenes (total)	70 {I}	190 {I,S}	190 {I,S}	0.035 {I}	10 {I,E}	190 {I,S}	10 {I,E}	190 {I,S}	0.0010 U	0.0010 U [0.0010 U]	0.0020 U	0.0020 U	0.0010 U	0.0010 U

See Notes on Page 8.

TABLE 3
DECEMBER 2005 AND HISTORICAL GROUNDWATER ANALYTICAL DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID:	RFI-09-48			RFI-10-24					RFI-10-28			RFI-10-29		
Date Collected:	04/24/03	10/06/04	12/08/05	02/20/02	06/25/02	03/26/03	10/06/04	12/08/05	12/12/02	10/06/04	12/08/05	12/12/02	06/30/05	12/08/05
VOLATILE ORGANIC COMPOUNDS (mg/L)														
1,1,1-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2,2-Tetrachloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2,4-Trichlorobenzene	0.0050 U	0.0020 U	0.0020 U	0.0050 U	0.0050 U	0.0050 U	0.0020 U	0.0020 U	0.0050 U	0.0020 U [0.0020 U]	0.0020 U	0.0050 U	0.0020 U	0.0020 U
1,2-Dibromo-3-chloropropane (DBCP)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloropropane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,3-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,4-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
2-Butanone (Methyl Ethyl Ketone)	0.025 U	0.030 U	0.030 U	0.025 U	0.025 U	0.025 U	0.030 U	0.030 U	0.011 J	0.030 U [0.030 U]	0.030 U	0.025 U	0.030 U	0.030 U
2-Hexanone	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ [0.050 UJ]	0.050 U	0.050 U	0.050 U	0.050 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	0.050 U	0.0010 U	0.0010 U	0.050 U	0.050 U	0.050 U	0.0010 U	0.0010 U	0.050 U	0.0010 U [0.0010 U]	0.0010 U	0.050 U	0.0010 U	0.0010 U
Acetone	0.0019 J	0.030 U	0.030 U	0.025 U	0.025 U	0.025 U	0.030 U	0.030 U	0.21 JD	0.030 U [0.030 U]	0.030 U	0.0019 J	0.030 U	0.030 U
Benzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromodichloromethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromoform	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U	0.0010 UJ [0.0010 UJ]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromomethane (Methyl Bromide)	0.0010 U	0.0020 UJ	0.0020 U	0.0010 U	0.0010 U	0.0010 U	0.0020 UJ	0.0020 U	0.0010 UJ	0.0020 UJ [0.0020 UJ]	0.0020 U	0.0010 UJ	0.0020 U	0.0020 U
Carbon disulfide	0.0050 U	0.0050 UJ	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Carbon tetrachloride	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloroethane	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U	0.0010 UJ [0.0010 UJ]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloroform (Trichloromethane)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloromethane (Methyl Chloride)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Cyclohexane	0.0050 U	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0050 U	0.0010 U	0.0010 U	0.0030 U	0.0010 U [0.0010 U]	0.0010 U	0.0030 U	0.0010 U	0.0010 U
Dibromochloromethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Dichlorodifluoromethane (CFC-12)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
Ethylbenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Isopropylbenzene	0.0050 U	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0050 U	0.0010 U	0.0010 U	0.0050 U	0.0010 U [0.0010 U]	0.0010 U	0.0050 U	0.0010 U	0.0010 U
m&p-Xylene	0.0020 U	0.0010 U	0.0010 U	0.0020 U	0.0020 U	0.0020 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U [0.0010 U]	0.0010 U	0.0020 U	0.0010 U	0.0010 U
Methyl acetate	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.010 UJ	0.010 U	0.0030 U	0.010 U [0.010 U]	0.010 U	0.0030 U	0.010 U	0.010 U
Methyl cyclohexane	0.0010 U	0.020 U	0.020 U	0.0010 U	0.0010 U	0.0010 U	0.020 U	0.020 U	0.0030 U	0.020 U [0.020 U]	0.020 U	0.0030 U	0.020 U	0.020 U
Methyl Tert Butyl Ether	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Methylene chloride	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U	0.0050 U	0.0050 U
o-Xylene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Styrene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Tetrachloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Toluene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.00051 J	0.0010 U	0.0010 U
trans-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichlorofluoromethane (CFC-11)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trifluorotrichloroethane (Freon 113)	0.0010 U	0.030 U	0.030 U	0.0010 U	0.0010 U	0.0010 U	0.030 U	0.030 U	0.0030 U	0.030 U [0.030 U]	0.030 U	0.0030 U	0.030 U	0.030 U
Vinyl chloride	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Xylenes (total)	0.0020 U	0.0010 U	0.0010 U	0.0020 U	0.0020 U	0.0020 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U [0.0010 U]	0.0010 U	0.0020 U	0.0010 U	0.0010 U

See Notes on Page 8.

TABLE 3
DECEMBER 2005 AND HISTORICAL GROUNDWATER ANALYTICAL DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID:	RFI-10-33		RFI-10-35		RFI-10-36		RFI-17-02			RFI-17-02D		RFI-36-19		
Date Collected:	06/29/05	12/08/05	06/29/05	12/08/05	06/29/05	12/08/05	10/03/01	06/09/05	12/08/05	07/29/05	12/08/05	09/28/01	10/06/04	12/08/05
VOLATILE ORGANIC COMPOUNDS (mg/L)														
1,1,1-Trichloroethane	0.019	0.063	0.0030	0.0010	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2,2-Tetrachloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethane	0.021	0.060	0.015	0.031	0.0010 U	0.0010 U	0.0010 U	0.0020	0.0020	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethene	0.0040	0.010 (IDW,RDW)	0.0010	0.0020	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2,4-Trichlorobenzene	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0050 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0050 U	0.0020 U	0.0020 U
1,2-Dibromo-3-chloropropane (DBCP)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloropropane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,3-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,4-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
2-Butanone (Methyl Ethyl Ketone)	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.025 U	0.030 U	0.030 U	0.030 U	0.030 U	0.025 U	0.030 U	0.030 U
2-Hexanone	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.050 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.050 U	0.0010 U	0.0010 U
Acetone	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.025 U	0.030 U	0.030 U	0.030 U	0.030 U	0.025 U	0.030 U	0.030 U
Benzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromodichloromethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromoform	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
Bromomethane (Methyl Bromide)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0010 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0010 U	0.0020 UJ	0.0020 U
Carbon disulfide	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Carbon tetrachloride	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloroethane	0.0040	0.0050	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
Chloroform (Trichloromethane)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloromethane (Methyl Chloride)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0030	0.0030	0.0010 U	0.0010 U	0.0010 U
cis-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Cyclohexane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U	0.0050 U	0.0010 U	0.0010 U
Dibromochloromethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Dichlorodifluoromethane (CFC-12)	0.0010 UJ	0.0010 U	0.0010 UJ	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Ethylbenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Isopropylbenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0010 U
m&p-Xylene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U	0.0010 U
Methyl acetate	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0050 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0050 U	0.010 UJ	0.010 U
Methyl cyclohexane	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0010 U	0.020 U	0.020 U
Methyl Tert Butyl Ether	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0030 J	0.0040 J	0.0030 J	0.0030 J	0.0050 U	0.0050 U	0.0050 U
Methylene chloride	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
o-Xylene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Styrene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Tetrachloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Toluene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichlorofluoromethane (CFC-11)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0032	0.00080 J	0.0010 U
Trifluorotrichloroethane (Freon 113)	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.0010 U	0.030 U	0.030 U	0.030 U	0.030 U	0.0010 U	0.030 U	0.030 U
Vinyl chloride	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0030 (IDW,RDW)	0.0030 (IDW,RDW)	0.0010 U	0.0010 U	0.0010 U
Xylenes (total)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U	0.0010 U

See Notes on Page 8.

TABLE 3
DECEMBER 2005 AND HISTORICAL GROUNDWATER ANALYTICAL DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID:	RFI-36-47				RFI-36-48			
Date Collected:	12/13/02	03/25/03	06/10/05	12/09/05	12/13/02	02/28/05	06/10/05	12/09/05
VOLATILE ORGANIC COMPOUNDS (mg/L)								
1,1,1-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.19	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,1,2,2-Tetrachloroethane	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,1,2-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,1-Dichloroethane	0.0085	0.0040	0.0060	0.56	0.0010 U	0.0030 [0.0020]	0.0020	0.17 [0.18]
1,1-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.070 (IDW,RDW)	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0050 [0.0050]
1,2,4-Trichlorobenzene	0.0050 U	0.0050 U	0.0020 U	0.020 U	0.0050 U	0.0020 U [0.0020 U]	0.0020 U	0.0020 U [0.0020 U]
1,2-Dibromo-3-chloropropane (DBCP)	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,2-Dibromoethane (Ethylene Dibromide)	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,2-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,2-Dichloroethane	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,2-Dichloropropane	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,3-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.00077 J	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
1,4-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
2-Butanone (Methyl Ethyl Ketone)	0.025 U	0.025 U	0.030 U	0.30 U	0.025 U	0.030 U [0.030 U]	0.030 U	0.030 U [0.030 U]
2-Hexanone	0.050 U	0.050 U	0.050 U	0.50 U	0.050 U	0.050 UJ [0.050 UJ]	0.050 U	0.050 U [0.050 U]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	0.050 U	0.050 U	0.0010 U	0.010 UJ	0.050 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Acetone	0.0013 J	0.025 U	0.030 U	0.30 U	0.0017 J	0.030 U [0.030 U]	0.030 U	0.030 U [0.030 U]
Benzene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Bromodichloromethane	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Bromoform	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Bromomethane (Methyl Bromide)	0.0010 UJ	0.0010 U	0.0020 U	0.020 U	0.0010 UJ	R [R]	0.0020 U	0.0020 U [0.0020 U]
Carbon disulfide	0.0050 U	0.0050 U	0.0050 U	0.050 U	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U [0.0050 U]
Carbon tetrachloride	0.0010 U	0.0010 UJ	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Chlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Chloroethane	0.0010 U	0.0010 U	0.0010 U	0.12	0.0010 U	0.0020 [0.0010]	0.0010 U	0.0050 [0.0060]
Chloroform (Trichloromethane)	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 UJ [0.0010 UJ]	0.0010 U	0.0010 U [0.0010 U]
Chloromethane (Methyl Chloride)	0.0010 UJ	0.0010 U	0.0010 U	0.010 U	0.0010 UJ	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
cis-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.010	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
cis-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Cyclohexane	0.0030 U	0.0050 U	0.0010 U	0.010 U	0.0030 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Dibromochloromethane	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Dichlorodifluoromethane (CFC-12)	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Ethylbenzene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Isopropylbenzene	0.0050 U	0.0050 U	0.0010 U	0.010 U	0.0050 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
m&p-Xylene	0.0020 U	0.0020 U	0.0010 U	0.010 U	0.0020 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Methyl acetate	0.0030 U	0.0050 U	0.010 U	0.10 U	0.0030 U	0.010 U [0.010 U]	0.010 U	0.010 U [0.010 U]
Methyl cyclohexane	0.0030 U	0.0010 UJ	0.020 U	0.20 U	0.0030 U	0.020 U [0.020 U]	0.020 U	0.020 U [0.020 U]
Methyl Tert Butyl Ether	0.0050 U	0.0050 U	0.0050 U	0.050 U	0.0050 U	0.00020 J [0.00030 J]	0.0050 U	0.0040 J [0.0040 J]
Methylene chloride	0.0050 U	0.0050 U	0.0050 U	0.050 U	0.0050 U	0.0050 U [0.0050 U]	0.0050 U	0.0050 U [0.0050 U]
o-Xylene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Styrene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Tetrachloroethene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Toluene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.00086 J	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
trans-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
trans-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Trichloroethene	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Trichlorofluoromethane (CFC-11)	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]
Trifluorotrichloroethane (Freon 113)	0.0030 U	0.0010 U	0.030 U	0.30 U	0.0030 U	0.030 U [0.030 U]	0.030 U	0.030 U [0.030 U]
Vinyl chloride	0.0010 U	0.0010 U	0.0010 U	0.020 (IDW,RDW)	0.0010 U	0.0050 (IDW,RDW) [0.0060 (IDW,RDW)]	0.0040 (IDW,RDW)	0.064 (IDW,RDW) [0.064 (IDW,RDW)]
Xylenes (total)	0.0020 U	0.0020 U	0.0010 U	0.010 U	0.0020 U	0.0010 U [0.0010 U]	0.0010 U	0.0010 U [0.0010 U]

See Notes on Page 8.

TABLE 3
DECEMBER 2005 AND HISTORICAL GROUNDWATER ANALYTICAL DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID:	RFI-36-55		RFI-36-56		RFI-84-06R			RFI-84-06RD		RFI-84-09D		RFI-84-09S		RFI-94-11	
Date Collected:	**07/06/05**	**12/09/05**	**07/21/05**	**12/09/05**	**04/02/03**	**07/22/05**	**12/08/05**	**07/21/05**	**12/08/05**	**07/22/05**	**12/08/05**	**07/22/05**	**12/08/05**	**04/07/05**	**12/08/05**
VOLATILE ORGANIC COMPOUNDS (mg/L)															
1,1,1-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2,2-Tetrachloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1,2-Trichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethane	0.0010 U	0.0010 U	0.0040	0.0050	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,1-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2,4-Trichlorobenzene	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0050 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
1,2-Dibromo-3-chloropropane (DBCP)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,2-Dichloropropane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,3-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
1,4-Dichlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
2-Butanone (Methyl Ethyl Ketone)	0.030 U	0.030 U	0.030 U	0.030 U	0.025 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
2-Hexanone	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.050 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Acetone	0.030 U	0.030 U	0.030 U	0.030 U	0.025 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 U
Benzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromodichloromethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Bromoform	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U
Bromomethane (Methyl Bromide)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0010 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R	0.0020 U
Carbon disulfide	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Carbon tetrachloride	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chlorobenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloroethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloroform (Trichloromethane)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Chloromethane (Methyl Chloride)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0040	0.0040	0.0010 U	0.0010 U	0.0010 U	0.0010 U
cis-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Cyclohexane	0.0010 U	0.0010 U	0.0010 UJ	0.0010 U	0.0050 U	0.0010 UJ	0.0010 U	0.0010 UJ	0.0010 U	0.0010 UJ	0.0010 U	0.0010 UJ	0.0010 U	0.0010 UJ	0.0010 U
Dibromochloromethane	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Dichlorodifluoromethane (CFC-12)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Ethylbenzene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Isopropylbenzene	0.00020 J	0.0010 U	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
m&p-Xylene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Methyl acetate	0.010 U	0.010 U	0.010 U	0.010 U	0.0050 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Methyl cyclohexane	0.020 U	0.020 U	0.020 U	0.020 U	0.0010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Methyl Tert Butyl Ether	0.0050 U	0.0010 J	0.0050 U	0.0050 U	0.0050 U	0.00030 J	0.0050 U	0.0050 U	0.0050 U	0.0020 J	0.0030 J	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U
Methylene chloride	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
o-Xylene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Styrene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Tetrachloroethene	0.0010 J	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Toluene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,2-Dichloroethene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
trans-1,3-Dichloropropene	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichloroethene	0.0010 U	0.0010 U	0.00030 J	0.00080 J	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trichlorofluoromethane (CFC-11)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Trifluorotrichloroethane (Freon 113)	0.030 U	0.030 U	0.030 U	0.030 U	0.0010 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Vinyl chloride	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0030 (IDW,RDW)	0.0010 U	0.0010 U	0.0010 U	0.0010 U
Xylenes (total)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0020 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U

See Notes on Page 8.

TABLE 3
DECEMBER 2005 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 Blasland, Bouck & Lee, Inc., 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:
For Groundwater:
RDW = Residential Drinking Water criteria, updated December 2004.
IDW = Industrial Drinking Water criteria, updated December 2004.
GSI = Groundwater/Surface Water Interaction criteria, updated December 2004.
GCC = Groundwater Contact criteria, updated December 2004.
GAI = Groundwater Acute Inhalation Screening Level, updated December 2004.
RGVIA = Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation criteria, updated December 2004.
IGVIA = Industrial & Commercial II, III, & IV Groundwater Volatilization to Indoor Air Inhalation criteria, updated December 2004.
FE = Flammability and Explosivity Screening Level, updated December 2004.

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 $CaCO_3$/L, use 400 mg $CaCO_3$/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 3
DECEMBER 2005 AND HISTORICAL GROUNDWATER ANALYTICAL DATA

CA 750 QUARTERLY GROUNDWATER MONITORING PROGRAM
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

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

Where,

EXP(x) = The base of the natural logarithm raised to power x (e^x).
LnH = The natural logarithm of water hardness in mg $CaCO_3$/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 indicted with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

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

TABLE 3
DECEMBER 2005 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)
Ethylene dibromide	106934	0.05 (M); 0.006	20 (M); 1.0
Ethylene glycol	107211	56,000	1.10E+06
Heptachlor	76448	0.01 (M); 0.0017	NLL
beta-Hexachlorocyclohexane	319857	0.024	20 (M)
Hexachloroethane	67721	5.3	310
Isophorone	78591	310	6,200
Isopropyl alcohol	67630	28,000	5.60E+05
Lead	7439921	14*	*
Manganese	7439965	3600	72,000
Methyl-tert-butyl ether (MTBE)	1634044	100	2,000
Methylene chloride	75092	47	940
Mirex	2385855	0.02 (M); 1.6E-5	NLL
Molybdenum	7439987	120	2,400
Nitrobenzene	98953	4.7	330 (M); 94
Pentachlorophenol	87865	1.8*	*
1,2,4,5-Tetrachlorobenzene	95943	2.8	3,300
1,1,1,2-Tetrachloroethane	630206	19	380
1,1,2,2-Tetrachloroethane	79345	3.2	64
Tetrachloroethylene	127184	11	220
Tetrahydrofuran	109999	350	7,000
Thallium	7440280	2.0 (M); 1.2	2,300
1,1,2-Trichloroethane	79005	12	240
Trichloroethylene	79016	29	580

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MEMORANDUM

TO: Lisa Coffey

REF. NO.: 17307-195010

FROM: Kathleen A. Willy/jbh/13

DATE: January 12, 2006

E-Mail and U.S. Mail

C.C.: JoAnn Robertson

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

The following details a quality assessment and validation of the analytical data resulting from the collection of 23 water, one trip blank, and two equipment blanks from the General Motors Site (Site) in Flint, Michigan, in December 2005. 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 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; and

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 period is presented in the analytical method. All samples were prepared and analyzed within the method-required holding time. All samples were properly cooled after collection and upon receipt at the laboratory.

Gas Chromatography/Mass Spectrometer (GC/MS) Mass Calibration

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

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

Initial Calibration – 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 quadratic/linear regression is used, the correlation coefficient (R^2) value must be at least 0.990.

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

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

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

Calibration standards were analyzed at the required frequency and all results met the above criteria for instrument sensitivity. 4-Methyl-2-pentanone exhibited variability in instrument response. Associated sample data for this compound was 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 , demonstrating that laboratory contamination was not a factor for this program.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

In accordance with the method employed, all samples, blanks, and QA/QC standards analyzed for VOCs were spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to

evaluate the effects of individual sample matrices on analytical efficiency and are assessed against laboratory control limits. All sample surrogate recoveries were within the laboratory specified control limits, demonstrating acceptable analytical accuracy.

Laboratory Control Sample (LCS) Analysis

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

LCSs were prepared and analyzed for all VOCs. The LCS recoveries were within the laboratory specified control limits for all analytes of interest.

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

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

MS/MSD analyses were performed as shown in Table 1. All MS/MSD recoveries were within laboratory control limits demonstrating acceptable overall analytical accuracy and precision.

Internal Standard (IS) Summaries

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

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

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

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

Target Compound Identification

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

Trip Blanks – VOCs

Trip blanks are transported, stored, and analyzed with the investigative samples to identify potential cross-contamination of VOCs. Trip blanks were collected at the proper frequency, and all results were

non-detect for the analytes of interest with the exception of a low level result for bromodichloromethane. Associated sample data for this compound was qualified as estimated (see Table 4).

Field Duplicates

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

Equipment Blanks

To assess contamination from field equipment cleaning activities, two equipment blanks were collected as identified in Table 1. All results were non-detect for the analytes of interest.

System Performance

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

Overall Assessment

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

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
QUARTERLY CA 750 GROUNDWATER SAMPLING
GENERAL MOTORS - NAO FLINT OPERATIONS
FLINT, MICHIGAN
DECEMBER 2005

Sample ID	*Location ID*	*Start Depth (ft bgs)*	*End Depth (ft bgs)*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Analysis/Parameters VOCs*	*Comments*
RFI-10-33(12/08/05)	RFI-10-33	-	-	12/08/05	10:10	X	
RFI-10-35(12/08/05)	RFI-10-35	-	-	12/08/05	11:10	X	
RFI-10-24(12/08/05)	RFI-10-24	-	-	12/08/05	12:30	X	
RFI-10-36(12/08/05)	RFI-10-36	-	-	12/08/05	13:40	X	
RFI-10-29(12/08/05)	RFI-10-29	-	-	12/08/05	14:30	X	
RFI-10-28(12/08/05)	RFI-10-28	-	-	12/08/05	15:10	X	
RFI-36-19(12/08/05)	RFI-36-19	-	-	12/08/05	14:08	X	
RFI-84-09S(12/08/05)	RFI-84-09S	-	-	12/08/05	14:15	X	
RFI-84-09D(12/08/05)	RFI-84-09D	-	-	12/08/05	13:20	X	
RFI-84-06RD(12/08/05)	RFI-84-06RD	-	-	12/08/05	12:20	X	MS/MSD
RFI-84-06R(12/08/05)	RFI-84-06R	-	-	12/08/05	11:25	X	
RFI-09-48(12/08/05)	RFI-09-48	-	-	12/08/05	10:10	X	
RFI-09-14(12/08/05)	RFI-09-14	-	-	12/08/05	10:20	X	
RFI-94-11(12/08/05)	RFI-94-11	-	-	12/08/05	15:22	X	
RFI-02-24(12/08/05)	RFI-02-24	-	-	12/08/05	14:20	X	
DUPE-01(12/08/05)	RFI-02-24	-	-	12/08/05		X	
RFI-17-02D(12/08/05)	RFI-17-02D	-	-	12/08/05	12:40	X	
RFI-17-02(12/08/05)	RFI-17-02	-	-	12/08/05	11:28	X	
RFI-36-55(12/09/05)	RFI-36-55	-	-	12/09/05	9:45	X	
RFI-36-56(12/09/05)	RFI-36-56	-	-	12/09/05	10:32	X	MS/MSD
RFI-36-48(12/09/05)	RFI-36-48	-	-	12/09/05	9:10	X	
DUPE-02(12/09/05)	RFI-36-48	-	-	12/09/05		X	
RFI-36-47(12/09/05)	RFI-36-47	-	-	12/09/05	10:20	X	
TB-01(12/08/05)	Trip Blank	-	-	12/08/05		X	
EB-01(12/08/05)	Equipment Blank	-	-	12/08/05	16:00	X	
EB-02(12/09/05)	Equipment Blank	-	-	12/09/05	11:15	X	

Notes:
- Not applicable.
ft bgs Feet Below Ground Surface.
MS Matrix Spike.
MSD Matrix Spike Duplicate.
VOCs Volatile Organic Compounds.

TABLE 2

SUMMARY OF ANALYTICAL METHODOLOGIES
QUARTERLY CA 750 GROUNDWATER SAMPLING
GENERAL MOTORS - NAO FLINT OPERATIONS
FLINT, MICHIGAN
DECEMBER 2005

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

Notes:

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

TCL Target Compound List.

VOCs Volatile Organic Compounds.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
QUARTERLY CA 750 GROUNDWATER SAMPLING
GENERAL MOTORS - NAO FLINT OPERATIONS
FLINT, MICHIGAN
DECEMBER 2005

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Sample Results*	*Units*	*Qualifier*
VOCs	12/21/05	4-Methyl-2-pentanone	25.5	RFI-36-47(12/09/05)	10 U	µg/L	UJ

Notes:
%D Percent Difference.
U Non-detect at associated value.
UJ The analyte was not detected above the sample quantitation limit. The reported quantitation limit is an estimated quantity
VOCs Volatile Organic Compounds.

TABLE 4

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
QUARTERLY CA 750 GROUNDWATER SAMPLING
GENERAL MOTORS - NAO FLINT OPERATIONS
FLINT, MICHIGAN
DECEMBER 2005

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Sample Result*	*Qualified Sample Result*	*Units*
VOCs	12/08/05	Bromodichloromethane	0.9J	Dupe-01(12/08/05)	1 U	1 UJ	µg/L
				Dupe-02(12/09/05)	1 U	1 UJ	µg/L
				RFI-02-24(12/08/05)	1 U	1 UJ	µg/L
				RFI-09-14(12/08/05)	1 U	1 UJ	µg/L
				RFI-09-48(12/08/05)	1 U	1 UJ	µg/L
				RFI-10-24(12/08/05)	1 U	1 UJ	µg/L
				RFI-10-28(12/08/05)	1 U	1 UJ	µg/L
				RFI-10-29(12/08/05)	1 U	1 UJ	µg/L
				RFI-10-33(12/08/05)	1 U	1 UJ	µg/L
				RFI-10-35(12/08/05)	1 U	1 UJ	µg/L
				RFI-10-36(12/08/05)	1 U	1 UJ	µg/L
				RFI-17-02(12/08/05)	1 U	1 UJ	µg/L
				RFI-17-02D(12/08/05)	1 U	1 UJ	µg/L
				RFI-36-19(12/08/05)	1 U	1 UJ	µg/L
				RFI-36-47(12/09/05)	1 U	1 UJ	µg/L
				RFI-36-48(12/09/05)	1 U	1 UJ	µg/L
				RFI-36-55(12/09/05)	1 U	1 UJ	µg/L
				RFI-36-56(12/09/05)	1 U	1 UJ	µg/L
				RFI-84-06R(12/08/05)	1 U	1 UJ	µg/L
				RFI-84-09D(12/08/05)	1 U	1 UJ	µg/L
				RFI-84-09S(12/08/05)	1 U	1 UJ	µg/L
				RFI-94-11(12/08/05)	1 U	1 UJ	µg/L

Notes:
U Non-detect at associated value.
UJ The analyte was not detected above the sample quantitation limit. The reported quantitation limit is an estimated quantity.
VOCs Volatile Organic Compounds.

LOCKHART CHEMICAL

UNIVERSAL SYSTEMS

BLDG. 38

STORAGE AREA

EMPLOYEE PARKING

BLDG. 36

ARENGO

AISLES - TYP.

RFI-36-54
RFI-36-55
RFI-36-48
RFI-36-53
RFI-36-56
RFI-36-17
RFI-36-18
RFI-36-47
RFI-36-45
RFI-36-44
RFI-36-19
RFI-36-37
36-101
RFI-36-46
RFI-36-51
RFI-36-03
36-100
RFI-36-35
36-FP2
36-FP1
RW-1
RW-5
RFI-36-02
RFI-36-05
36-160
AOI 36-2
36-FP4
36-FP5
36-FP3
RFI-36-29
RFI-36-29R
RFI-36-04
RFI-36-21
RFI-36-06
RFI-36-07
AOI 36-1
RFI-36-49
RFI-36-32
RFI-36-31
RFI-36-22
RFI-36-27
RFI-36-16
RFI-36-23

735 736 737 738 739 740 741

LEGEND:

- GM PROPERTY BOUNDARY
- APPROXIMATE AOI BOUNDARY
- INACTIVE FACILITY
- MONITORING WELL
- DECOMMISSIONED/DESTROYED MONITORING WELL
- RECOVERY WELL
- LOCATION WHERE MEASURABLE LNAPL WAS HISTORICALLY DETECTED
- LOCATION WHERE MEASURABLE LNAPL HAS BEEN DETECTED FROM MARCH 2004 TO JULY 2005
- LOCATION WHERE EVIDENCE OF LNAPL WAS OBSERVED IN SOIL
- WELL INCLUDED IN CA 750 GROUNDWATER MONITORING PROGRAM (ANNUAL GROUNDWATER SAMPLE COLLECTION AND GROUNDWATER ELEVATION MEASUREMENT)
- WELL INCLUDED IN CA 750 GROUNDWATER MONITORING PROGRAM (QUARTERLY GROUNDWATER SAMPLE COLLECTION AND GROUNDWATER ELEVATION MEASUREMENT)
- PROPOSED MARCH 2006 SUPPLEMENTAL GROUNDWATER SAMPLING LOCATIONS
- GENERALIZED GROUNDWATER FLOW DIRECTION
- 739 JULY 2005 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. ANALYTICAL DATA SHOWN ARE FROM MOST RECENT SAMPLING EVENT AT EACH LOCATION. ESTIMATED LIMITS OF MEASURABLE LNAPL BASED ON MEASUREMENTS FROM MARCH 2004 TO JULY 2005.

0 80' 160'
GRAPHIC SCALE

X: 64410X01, X02, X3A, X06, X24.DWG
L: ON=*, OFF=*REF*, |SHD-BUILDING, |HIST_SB
P: PAGESET/SYR-DL
2/10/06 SYR-85-NES GJD GMS
64410105/LONGTERM/64410B09.DWG

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE – FLINT, MICHIGAN

PROPOSED SUPPLEMENTAL CA 750 GROUNDWATER MONITORING LOCATIONS - AOI-36

BBL BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE 1